

 SANYO Manufacturing, S.A.de C.V.	SERVICE NOTICE	<b style="color: red; font-size: 1.2em;">SN-12007 PAGE: 1 of 2 DATE: 12/21/12										
SUBJECT: <b style="color: red;">NEW SOFTWARE VERSION VER.54 FOR , PCB New revision; 1LG4B10Y105B0. NEW SOFTWARE VERSION. 54	AFFECTED MODELS: Y12 US2L - Z6WE DP50842 US2L - Z6WF FVM5082. US2L - Z6WEM DP50842M.											
BACKGROUND. Digital PCB Change from revision 0 ,to Rev B,due to some components relocation,near corner to avoid contact with grounding plate,Also white mark was added to reduce using of Plastic Washer (See page 2) Also new Software version came up,to increase performance on product. This software version is applicable only for 1LG4B10Y105B0 Main PCB. NEW VERSION MAIN PCB. 1LG4B10Y105B0 White squares marks on corners Only for this PCB S/W (Ver 54)  For USB Software download,please save the following extension file to your USB device. P320app_748.230XX_PRODUCTION_complete.zimage STEPS FOR SOFTWARE, MANUAL DOWNLOAD A. Inspect main PCB version. B. Be sure of proper connections on all pcb's C. Connect ac cable to the TV unit and send line switch. - D.Insert USB flash memory,in to USB TV Port. E. Press Vol - on the TV button unit,and MENU in the RC,at same time. F. Press enter,wait until " DOWNLOAD IS SUCCESSFUL " blue message appears,press power and disconnect ac cord, wait aprox 15 seconds and connect ac cord again to verify,that new version was correctly loaded. G. Make sure,new application software,boot versions and opt are correctly after ac off/on cycle was done. NOTE: For the internal TV CPU sw update,the TV must be ac off/on after update process have finished. The update will be reflected on boot ver. APPL:748.230.54.0.0.1- OPT: XX XX BOOT VER: 748.230.105 EDID: 01.52 P CODE:0A46												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">REVISION</th> <th style="width: 10%;">DATE</th> <th style="width: 40%;">DESCRIPTION</th> <th style="width: 20%;">ORIGINATOR</th> <th style="width: 20%;">APPROVAL</th> </tr> </thead> <tbody> <tr> <td>Rev.0</td> <td>1/9/2013</td> <td>NEW SOFTWARE VERSION</td> <td>Misael Robles</td> <td></td> </tr> </tbody> </table>	REVISION	DATE	DESCRIPTION	ORIGINATOR	APPROVAL	Rev.0	1/9/2013	NEW SOFTWARE VERSION	Misael Robles			
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FOR MAIN PCB VERSION 1LG4B10Y10500,PLEASE USE S/W VERSION 44. TO IDENTIFY PCB,VERSION,IS NECESSARY TO OPEN THE TV AND MAKE A VISUAL CHECK OF DIGITAL MAIN PCB VERSION NUMBER . DON'T FORGET TO PLACE BACK RUBBER WASHER, DURING REASSEMBLY															
Prior version, Main PCB. 1LG4B10Y10500  Plastic washer on this corner must be used For this PCB S/W (Ver. 44)  															
Note: This notice is only to inform about the two different Main Bds.. The Main that you have or will receive should have the correct SW installed. Step# E (first page) explains how to check the SW #. 02/01/13															
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SANYO TROUBLESHOOTING GUIDE 2012 MODELS

P50842-00 / P50842M-00 / P50842-01 / P50842M-01

This guide is divided into 4 sections/pages depending on type of defect:

page 1)No Green LED Power Light.(LED never turns“ON”)

page 2)Green LED Light is “ON”, but Backlight is not “ON”,or only turn“ON & then OFF”.

page 3)Green LED Light is “ON”, and Backlight is “ON”, but there is no video/OSD.

page 4)Green LED Light turns “ON”, but then turns “OFF”within 10 seconds.

Please select the section/page that matches your defect and follow the flow chart.

These models & chassis versions are in this guide:

P50842-00

P50842M-00

P50842-01

P50842M-01

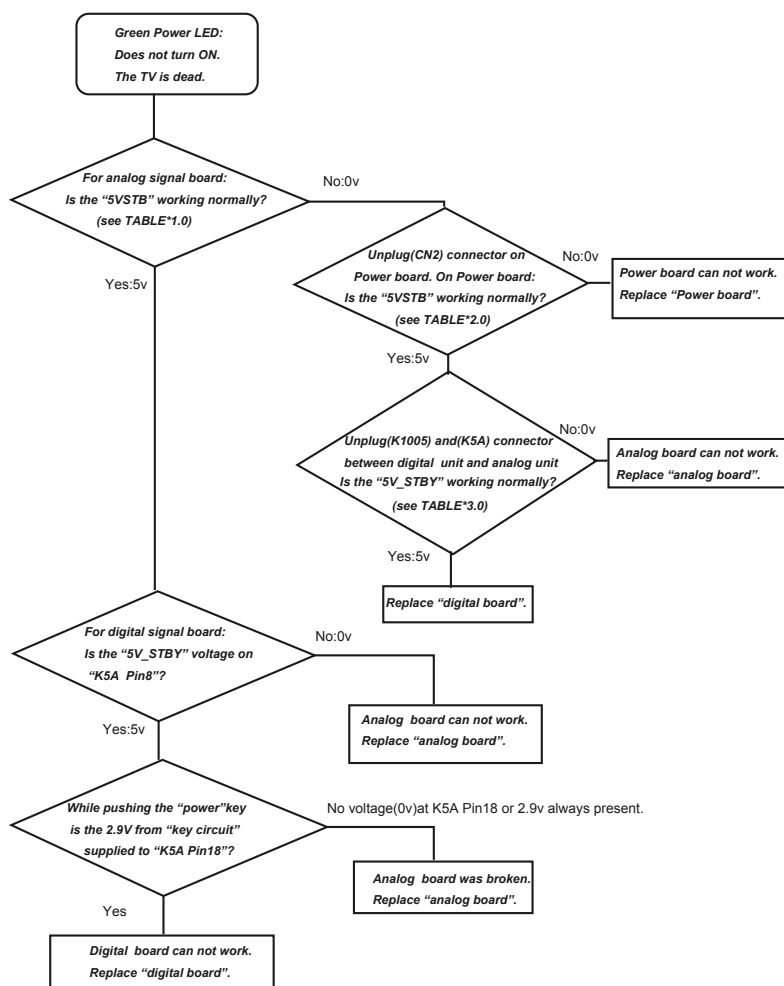
PLEASE KEEP THIS GUIDE.

IT WILL NOT BE PROVIDED FOR EVERY REPAIR.

techsupport@sanyotv.com

Repair Flow Chart: Trouble Condition

Green Power LED does not turn on. The TV is dead.



(TABLE *1.0) Analog board:5VSTB Test Points

50" Models		5VSTB on analog board	Confirmation Voltage
P50842-00	Z6WE	Analog K8B Pin3	5V
P50842M-00	Z6WEM		
P50842-01	Z6WF		
P50842M-01	Z6WFM		

(TABLE *2.0) Power board:5VSTB Test Points

50" Models		5VSTB on power board	Confirmation Voltage
P50842-00	Z6WE	Power CN2 Pin3	5V
P50842M-00	Z6WEM		
P50842-01	Z6WF		
P50842M-01	Z6WFM		

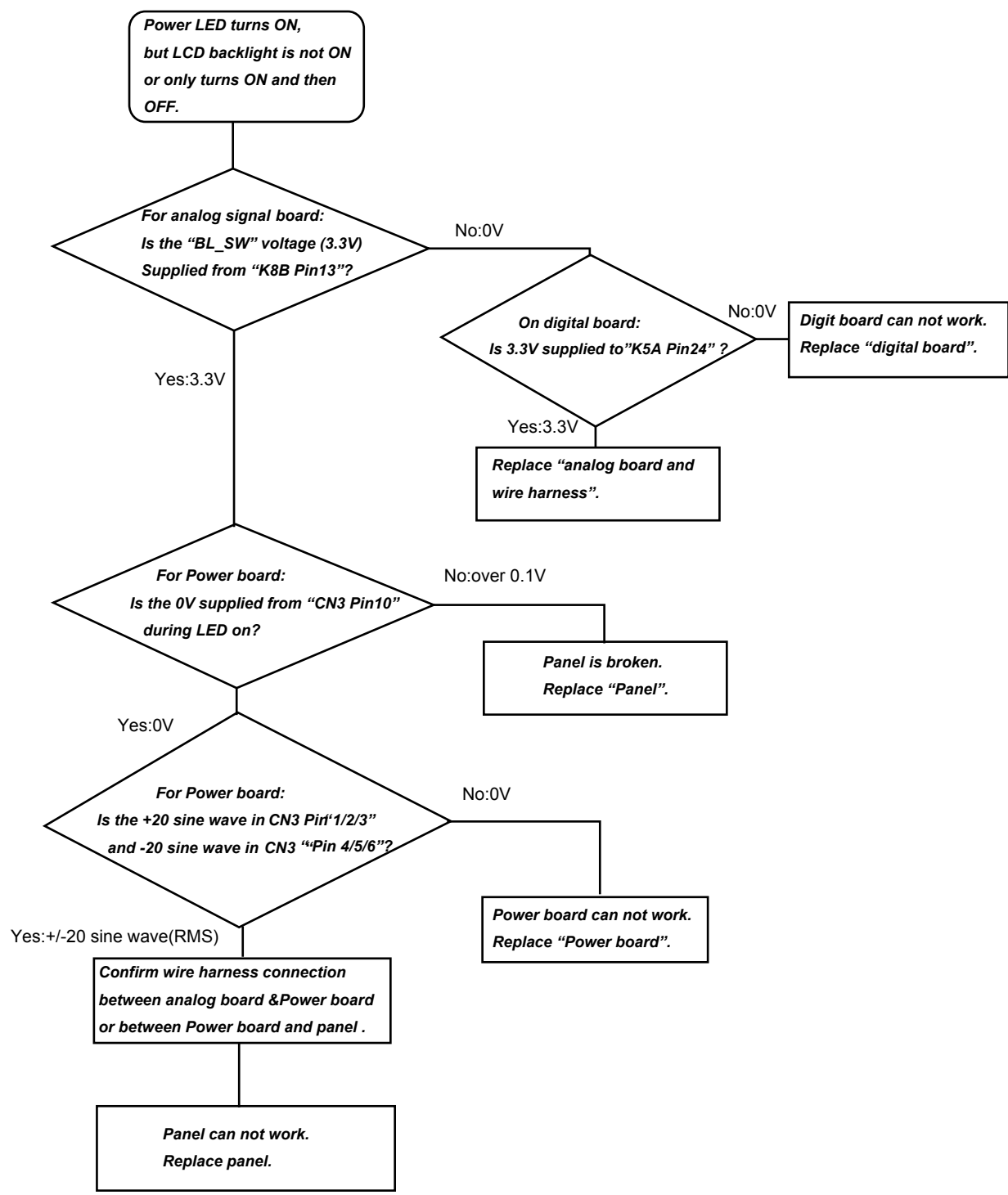
(TABLE *3.0) Digital board:5V_STBY

50" Models		5V_STBY on analog board	Confirmation Voltage
P50842-00	Z6WE	Analog board K1005 Pin8	5V
P50842M-00	Z6WEM		
P50842-01	Z6WF		
P50842M-01	Z6WFM		

Repair Flow Chart: Trouble Condition

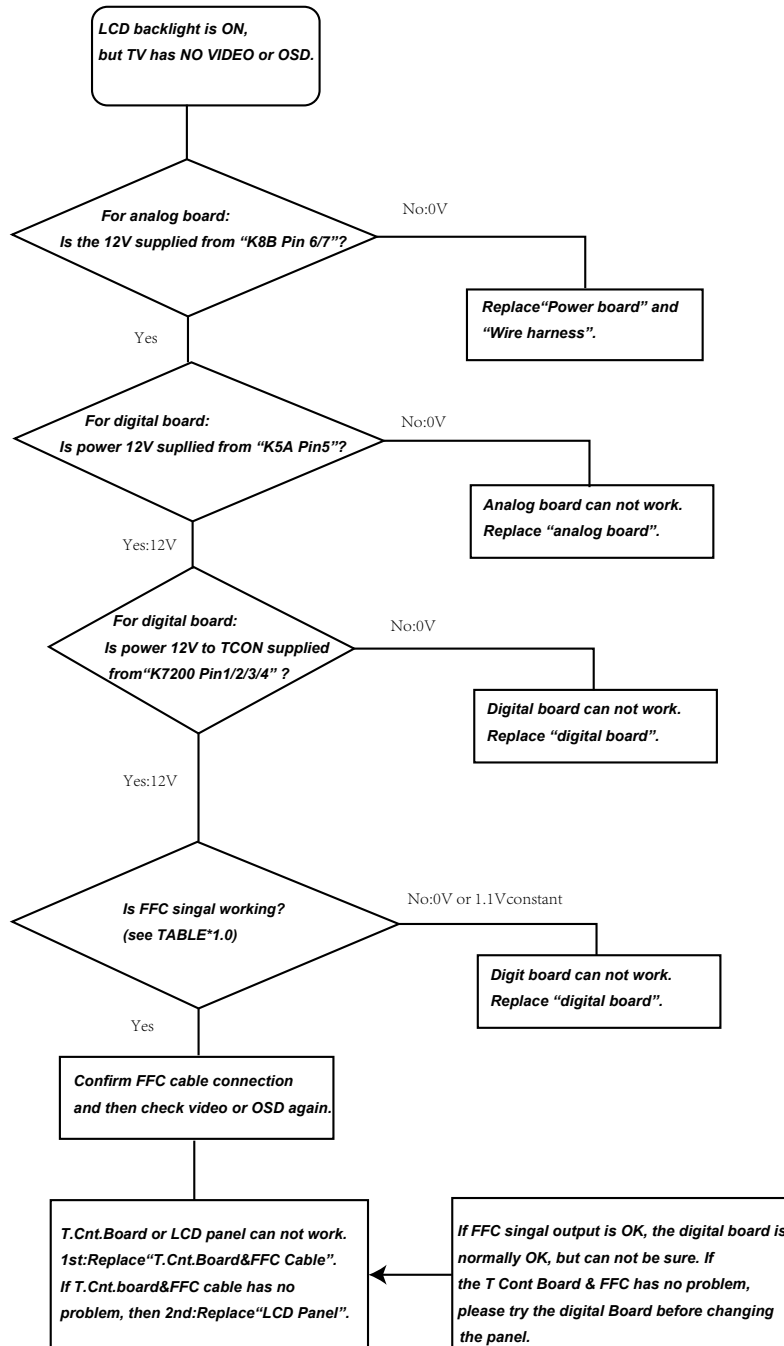
Green Power is on, but LCD backlight is not on.

Backlight does not turn on, or only turns on and then off.



Repair Flow Chart: Trouble Condition

Green Power LED and LCD backlights is ON, but no video or OSD.



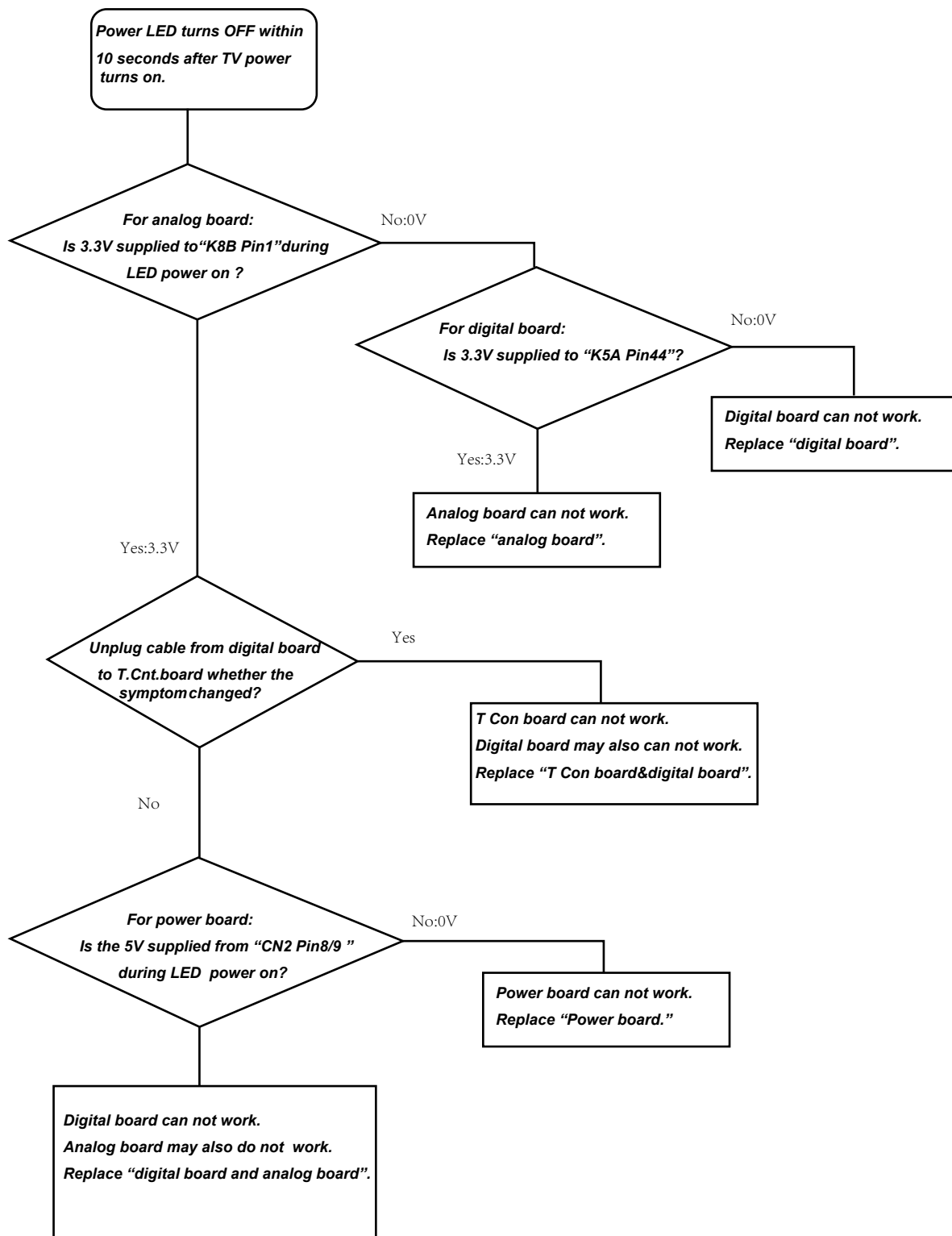
(TABLE*1.0)Main board:"FFC Clock"Test Points

50" Models		LVDS Clock on digital board	
P50842-00	Z6WE	K7200 Pin32 clock+	
P50842M-00	Z6WEM	K7200 Pin33 clock-	
P50842-01	Z6WF		
P50842M-01	Z6WFM		

Note:The bandwidth of the oscilloscope and probe must be at least 100MHZ or higher to check if the clock pulse exists.

Repair Flow Chart: Trouble Condition

Power LED turns OFF within 10 seconds after the TV power turns on





FILE NO.

SERVICE MANUAL

Remote Control Digital Color Television

FVM5082 (U.S.A.)
(CANADA)
ORIGINAL VERSION



Chassis No. P50842-01

NOTE: Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual.

If the Original Version Service Manual Chassis No. does not match the unit's, additional Service Literature is required. You **must** refer to "Notices" to the Original Service Manual prior to servicing the unit.

Servicing should be performed by only trained and qualified service personnel.

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Specifications

POWER RATING	120VAC 186 W (AVG.)
ANTENNA INPUT IMPEDANCE	75Ω UHF/VHF/CATV DIGITAL
RECEIVING CHANNEL	2 - 13 (VHF), 14 - 69 (UHF), 01, 14-94, 95-135 (CATV) 1-135 (DIGITAL)
REMOTE READY	36 KEY REMOTE CONTROL
SOUND OUTPUT	10.0 W/CH
INTERMEDIATE FREQUENCY	
PICTURE IF CARRIER	45.75MHz
SOUND IF CARRIER	41.25MHz
COLOR SUB CARRIER	42.17MHz
CABINET DIMENSIONS	
WIDTH	1178mm
HEIGHT	739mm
DEPTH INCLUDING BASE	265mm

SAFETY INSTRUCTIONS

SAFETY PRECAUTIONS

WARNING: The chassis of this receiver has a floating ground with the potential of one half the AC line voltage in respect to earth ground. Service should not be attempted by anyone not familiar with the precautions necessary when working on this type of equipment.

The following precautions must be observed:

1. An isolation transformer must be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Comply with all caution and safety-related notes provided inside the cabinet, on the chassis, and on the back.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as control knobs, adjustment covers, shields and barriers.
4. Before replacing the back cover of the set, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any television to the customer, the service technician must perform the following safety checks to be sure that the unit is completely safe to operate without danger of electrical shock.

ANTENNA COLD CHECK

Remove AC plug from the 120 VAC outlet and place a jumper across the two blades. Connect one lead of an ohmmeter to the jumpered AC plug, and touch the other lead to each exposed antenna terminal (UHF and VHF antenna terminals). The resistance must measure between 1M ohm and 5.2M ohm. Any resistance value below or above this range indicates an abnormality which requires corrective action.

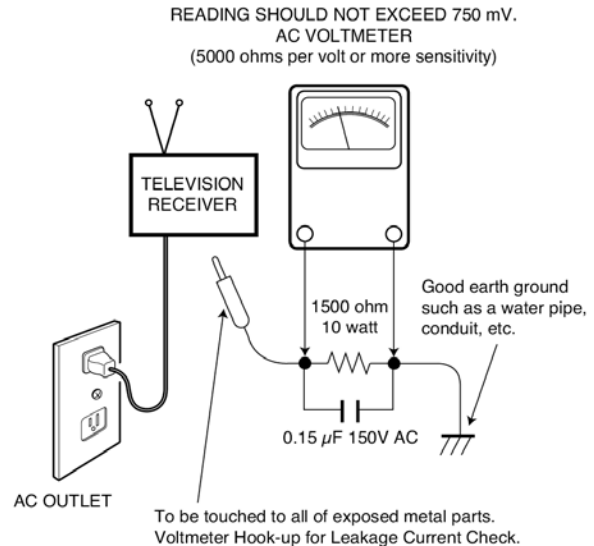
LEAKAGE CURRENT CHECK

Plug the AC line cord directly into a 120 VAC outlet. (Do not use an isolation transformer for this check.) Use an AC voltmeter, that has 5000 ohms per volt or more sensitivity. Connect a 1500 ohm 10 watt resistor, paralleled by a 0.15 μ F 150 VAC capacitor, between a known good earth ground (water pipe, conduit, etc.) and all exposed metal parts of the cabinet (antennas, handle bracket, metal cabinet, screw heads, metal overlays, control shafts, etc.). Measure the AC voltage across the 1500 ohm resistor. The AC voltage should not exceed 750 mV. A reading exceeding 750 mV indicates that a dangerous potential exists. The fault must be located and corrected. Repeat the above test with the receiver power plug reversed.

NEVER RETURN A RECEIVER TO THE CUSTOMER WITHOUT TAKING THE NECESSARY CORRECTIVE ACTION.

PRODUCT SAFETY NOTICE

When replacing components in a receiver, always keep in mind the necessary product safety precautions. Pay special attention to the replacement of components marked with a  in the parts list and in the schematic diagrams. To ensure safe product operation, it is necessary to replace those components with the exact same PARTS.



SERVICING ELECTROSTATICALLY SENSITIVE DEVICES

Semiconductors (solid-state devices) that can be damaged by static electricity are referred to as Electrostatically Sensitive (ES) devices. Examples of typical ES devices are: Integrated Circuits (IC), Field-Effect Transistors (FET), and "chip" components. The following techniques should be observed strictly, to reduce the occurrence of semiconductor damage due to electrostatic discharge.

1. Immediately prior to handling any semiconductor component or an assembly containing a semiconductor device or devices, discharge the electrostatic buildup on your body by touching a known earth ground. You may also obtain and wear a commercially available discharging wrist strap device.

CAUTION: Be sure to remove the wrist strap before applying power to any unit being serviced.

2. After removing an ES equipped assembly, place it on a conductive surface, such as, aluminum foil, to prevent buildup or exposure to static electricity.
3. Use only grounded-tip soldering irons to solder or unsolder ES devices.
4. Use only anti-static solder removal devices. Some suction-type devices can generate static electricity adequate to damage ES devices.
5. A replacement ES device will come packaged in protective material (conductive foam, aluminum foil, or some comparable conductive material). Do Not remove an ES device from its protective packaging unless you are prepared to install it immediately.
6. Precisely prior to removing an ES device from its protective packaging, touch the protective packaging to the chassis or assembly in which the device will be installed.

CAUTION: Be sure that no power is applied to the chassis or circuit assembly.

7. Incidental body movements, such as, lifting a foot from a carpeted floor or the rubbing of fabric together can generate static electricity sufficient to damage ES devices. Therefore, minimize all body movements while handling exposed (unpacked) ES devices.

SERVICE ADJUSTMENTS

GENERAL

This set has an On-screen Service Menu system included in the CPU that allows remote operation for most of the service adjustments.

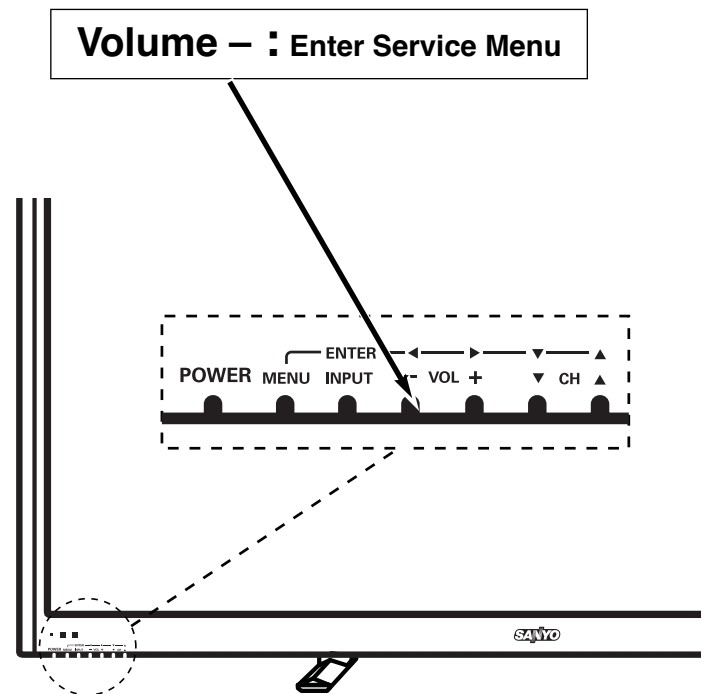
ON-SCREEN SERVICE MENU SYSTEM

1. Enter the Service Menu:

- Turn off the receiver and disconnect the AC power supply.
- While pressing the Volume (≡) button on the television, reconnect the AC power supply. The Service Menu will now appear. The remote can now be used to make adjustments. See Figure 1 below.

ITEM NO.	TITLE	HEX DATA			
Index	ParameterName	Value	Def.	MIN	MAX
1	FACTORY_VOL	0x21	48	0	255

Figure 1. Service Menu Display

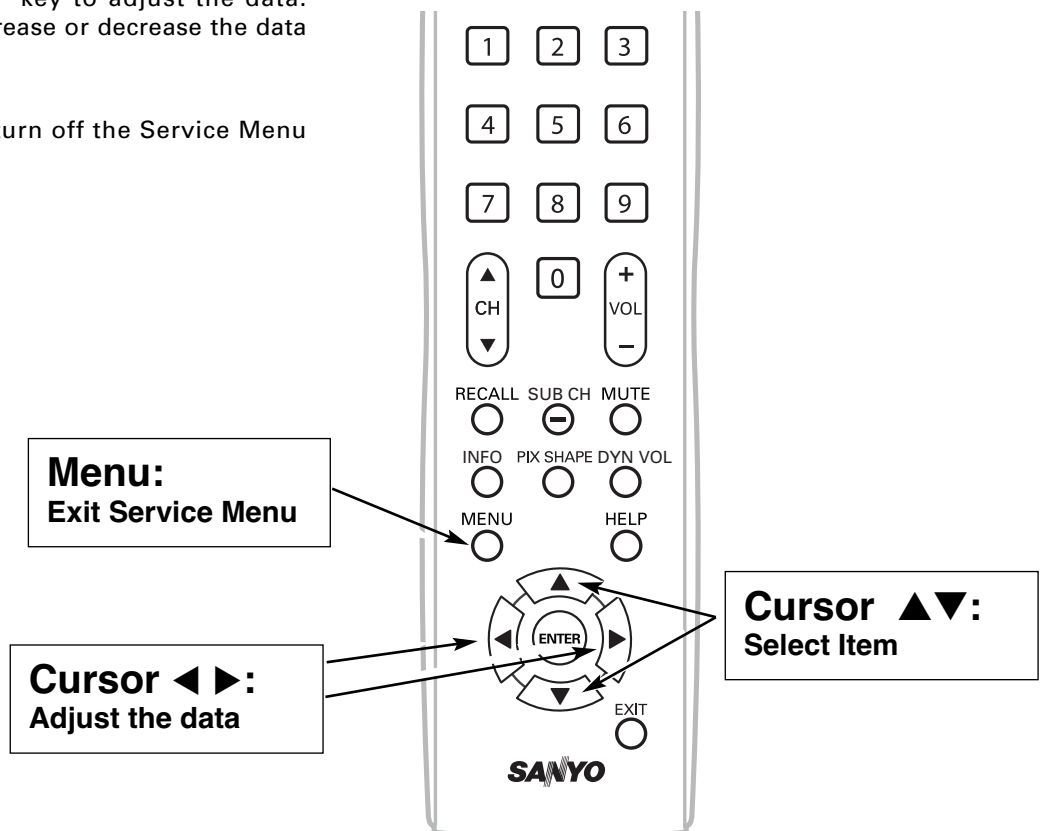


2. Service Adjustments:

- Press the Cursor ▲ and ▼ key to select the desired service menu item you want to adjust. See page 4 for the On-screen Service Menu.
- Use the Cursor ◀ or ▶ key to adjust the data. The ◀ or ▶ key will increase or decrease the data sequentially.

3. Exit from the Service Menu:

- Press the **MENU** key to turn off the Service Menu display.



ON-SCREEN SERVICE MENU

Table 1. ON-SCREEN SERVICE MENU

When IC7600 (Flash Memory) is replaced, check the bus data to confirm they are the same as below. See page 3 for On-Screen Service Menu access and adjustments.

Index	ParameterName	Value	Min	Max
02	OP1	00h	0	255
03	OP2	29h	0	255

NOTES: Option 2 Data (Display Panel)

Option 1 and Option 2 data is initial and can be set according to adjustment information.

PROGRAM CODES

The microprocessor used in this model is a multi-purpose type and is used in several different models. To ensure proper operation and the correct features for your particular model, the program codes must be correct.

Note 1. Option Data 1 (Index 02) should be hexadecimal 00.

See Index 02 above. If this program code is wrong the TV will not operate properly.

Note 2. Option Data 2 (Index 03) should be hexadecimal 29.

See Index 03 above. If this program code is wrong the TV will not operate properly.

POWER FAILURE CIRCUIT

Internal sub_CPU on main IC 5500 is programmed so the set will go to standby mode when there is circuit failure as described below. (Refer to "Block Diagram Power Lines".)

This unit is equipped with a Power Failure Detector function included in the sub_CPU which checks for an abnormal condition in the chassis power supplies.

If, while the power is on, a failure is caused by any of the following that results in a low voltage supply, the sub_CPU will turn the unit off in 1.5 seconds to prevent further damage:

- Failure within the power supply circuits.
- A short circuit in the load side from the supply.

Power Failure: Detected voltage failure for circuit.
(Connected to IC5500 pin W7.)

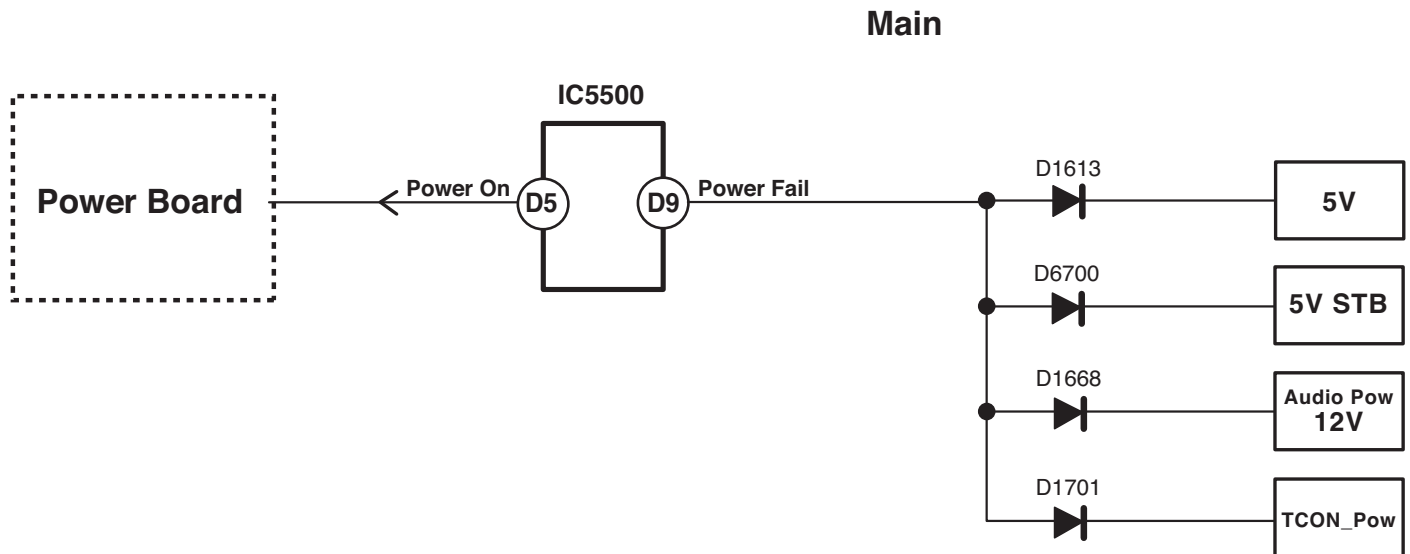
(Normal: High; Failure: Low)

If, while the power is off, the power is switched on and any of these failures remains uncorrected, the sub_CPU will shut off the power within three seconds.

Check the following if the unit is turned off by the power failure detector.

1. Disconnect the AC power cord (120V AC line) for a short time.
2. Connect a DC Voltmeter to the circuits shown below.
3. Press the Power key and check for the proper voltage supplies.
4. If any of these voltages is low, the power failure detector should turn the unit off within three seconds.
5. Check all circuits shown below.

Note: If power failure is detected 3 times in 15 minutes, the set will enter the standby mode and cannot be switched On. To reset the operating programs of the sub_CPU it is necessary to disconnect the AC cord for a short time.



MECHANICAL DISASSEMBLY

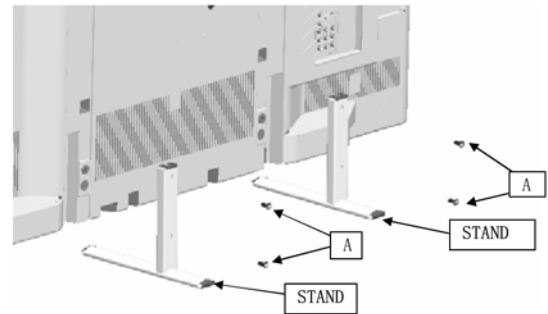
CAUTION:

This LCD TV uses several different kinds of screws. Using the correct screw is necessary to prevent damage. Lead wires must be redressed to their previous locations after servicing. The Earth sheet and gasket are provided to prevent interference to other radio and television receivers. The Earth sheet and gasket should be returned to its previous position after servicing.

STAND REMOVAL

Position TV face down on a padded or cushioned surface to protect the screen and finish.

Remove 4 screws (A:6X30) and remove the stand legs from the TV.

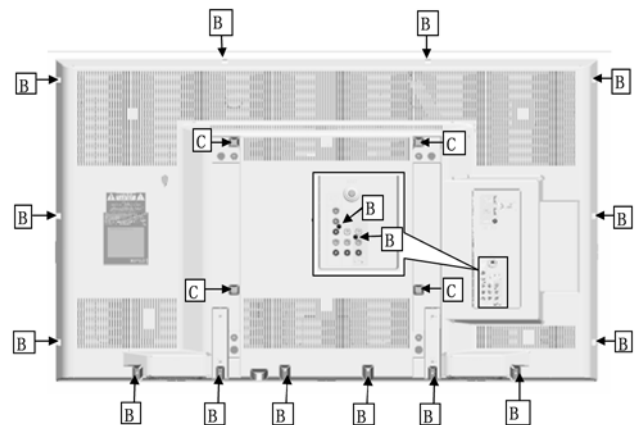


BACK CABINET REMOVAL

- CAUTION -

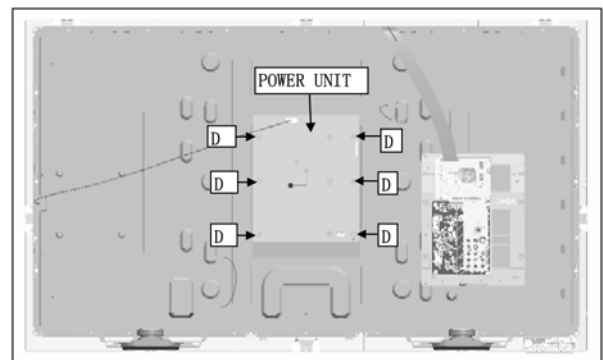
When the cabinet back is opened without following the procedure, the connector of LVDS and the power board might be damaged.

1. Remove 20 screws to take the back cabinet off. (B:3x10, 16 pcs.; C:4x8, 4 pcs.)



POWER UNIT REMOVAL

Remove 6 screws (FD3x6) to take the power unit off.

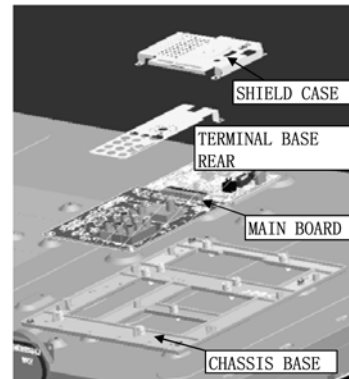
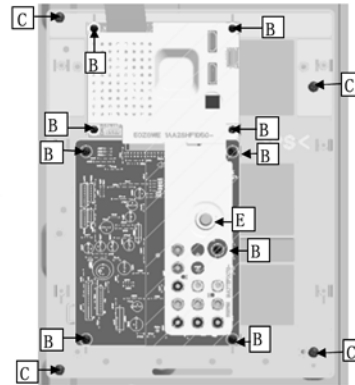


MECHANICAL DISASSEMBLY (Continued)

MAIN BOARD AND CHASSIS BASE REMOVAL

Remove 13 screws (B:3x10, 9pcs; C4x8, 4pcs.), one (1) Nut (E), and 9 sheets (F) to take the main (digital) board off.

ATTENTION – The earth sheet should be returned to its previous position after servicing.



SPEAKER REMOVAL

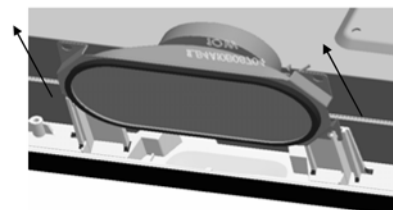
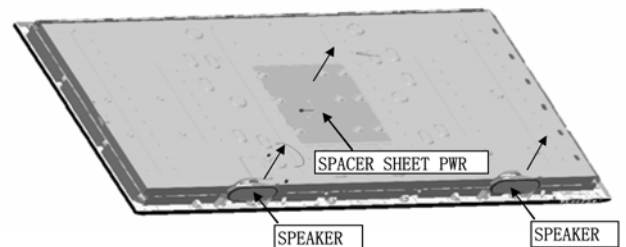
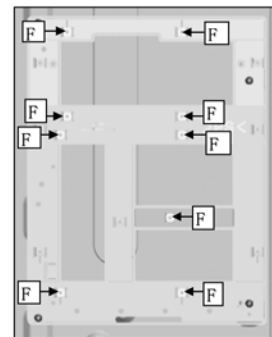
No screws.

Take off each speaker from Front Cabinet directly.

SPACER SHEET PWR REMOVAL

No screws.

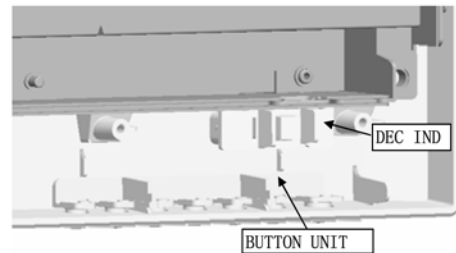
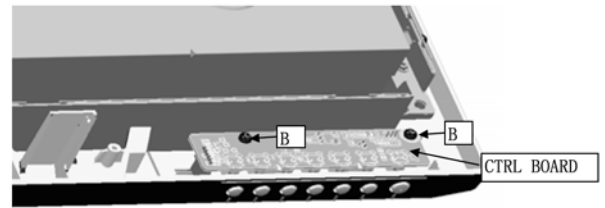
Rip away from Panel directly.



MECHANICAL DISASSEMBLY (Continued)

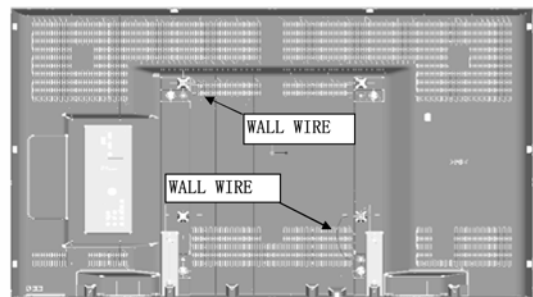
BUTTON UNITED REMOVAL

Remove 2 screws (B:3x10) to take the button unit off.

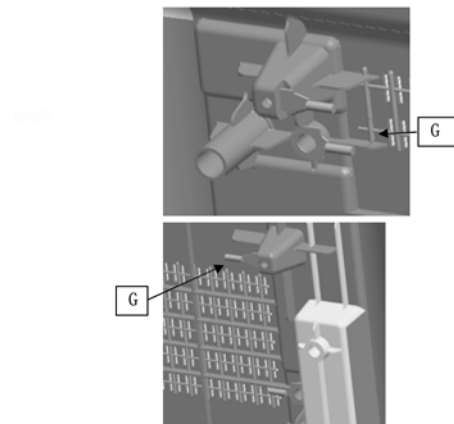


MOUNTING WALL REMOVAL

Remove 2 screws (G) to take the mounting wall off.



ATTENTION – Confirm Mounting wall wire is installed when you install the back cabinet.



ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

CHASSIS ELECTRICAL PARTS LIST

CAUTION: To Protect against electrical shock and for continued product safety, refer to SAFETY PRECAUTIONS and PRODUCT SAFETY NOTICE on Page 2.

PRODUCT SAFETY NOTICE

PRODUCT SAFETY SHOULD BE CONSIDERED WHEN A REPLACEMENT IS MADE IN ANY AREA OF A RECEIVER. COMPONENTS INDICATED BY A Δ IN THIS PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATE COMPONENTS IN WHICH SAFETY CAN BE OF SPECIAL SIGNIFICANCE. IT IS PARTICULARLY RECOMMENDED THAT ONLY PARTS DESIGNATED ON THE FOLLOWING PARTS LIST BE USED FOR COMPONENT REPLACEMENT DESIGNATED BY A Δ . NO DEVIATIONS FROM RESISTANCE, WATTAGE, AND VOLTAGE RATINGS MAY BE MADE FOR REPLACEMENT ITEMS DESIGNATED BY A Δ .

Note: Schematic part location numbers may not always match with the part descriptions.
The part descriptions are correct and should be used.

Schematic Location	Part No.	Description
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CAPACITORS

NOTES:

Read description of the Capacitor as follows:

(Example)

CERAMIC 100P K 50V

Rated Voltage

Tolerance Symbols:

Less than 10pF

A : Not specified B : $\pm 0.1\text{pF}$ C : $\pm 0.25\text{pF}$
D : $\pm 0.5\text{pF}$ E : $\pm 0.1\text{pF}$ F : $\pm 1\text{pF}$
G : $\pm 2\text{pF}$ H : $\pm 0.1 - 0\text{pF}$ L : $\pm 0 - 0.1\text{pF}$
R : $\pm 0.25 - 0\text{pF}$ S : $\pm 0 - 0.25\text{pF}$

More than 10pF

A : Not specified B : $\pm 0.1\%$ C : $\pm 0.25\%$
D : $\pm 0.5\%$ F : $\pm 1\%$ G : $\pm 2\%$
H : $\pm 3\%$ J : $\pm 5\%$ K : $\pm 10\%$
L : $\pm 15\%$ M : $\pm 20\%$ N : $\pm 30\%$
P : $\pm 100 - 0\%$ Q : $\pm 30 - 10\%$ T : $\pm 50 - 10\%$
U : $\pm 75 - 10\%$ V : $\pm 20 - 10\%$ W : $\pm 100 - 10\%$
X : $\pm 40 - 20\%$ Y : $\pm 150 - 10\%$ Z : $\pm 80 - 20\%$

Rated value: P=pico farad, U=micro farad

Material:

CERAMIC..... Ceramic
MT-PAPER..... Metallized Paper
POLYESTER..... Polyester
MT-POLYEST..... Metallized Polyester
POLYPRO..... Polypropylene
MT-POLYPRO..... Metallized Polypropylene
COMPO FILM..... Composite Film
MT-COMPO..... Metallized Composite
STYRENE..... Styrene
TA-SOLID..... Tantalum Solid
AL-SOLID..... Aluminium Solid
ELECT..... Electrolytic
NP-ELECT..... Non-polarised Electrolytic
OS-SOLID..... Aluminium Solid with Organic
Semi-conductive Electrolytic

Schematic Location	Part No.	Description
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RESISTORS

NOTES:

Read description of the Resistor as follows:

(Example)

CARBON 4.7K J A 1/4W

Rated Wattage

Performance Symbols:

A...General B...Non-flammable
Z...Low noise
Other... Temperature coefficient

Tolerance Symbols:

A...0.05% B...0.1% C...25%
D...0.5% F...1% G...2%
J...5% K...10% M...20%
P... $\pm 5 - 15\%$

Rated Value, ohms:

K...1,000 M...1,000,000

Material:

CARBON..... Carbon
MT-FILM..... Metal Film
OXIDE-MT..... Oxide Metal Film
SOLID..... Composition
MT-GLAZE..... Metal Glaze
WIRE WOUND..... Wire Wound
CERAMIC RES..... Ceramic
FUSIBLE RES..... Fusible

Schematic Location	Part No.	Description
--------------------	----------	-------------

CABINET PARTS

1JC0BUM0627—	50" BUTTON UNITED-Z6WE
1JC0CAM0775—	50" CABINET FRONT-Z6WE
1JC0CBM0551—	50" CABINET BACK-Z6WE
1JC0CHM0059—	50" CHASSIS BASE-Z6WE

"ASSY,PWB,DIGITAL Z6WE"

CAPACITORS

C001	F1H1H102A219	CERAMIC	1000P K	50V
	F1H1H102A748	CERAMIC	1000P K	50V
C002	F1H1H102A219	CERAMIC	1000P K	50V
	F1H1H102A748	CERAMIC	1000P K	50V
C003	F1J1E105A213	CERAMIC	1U K	25V
C004	F1J1E105A213	CERAMIC	1U K	25V
C005	F1H1H102A219	CERAMIC	1000P K	50V
	F1H1H102A748	CERAMIC	1000P K	50V
C006	F1H1H102A219	CERAMIC	1000P K	50V
	F1H1H102A748	CERAMIC	1000P K	50V
C007	F1H1H102A219	CERAMIC	1000P K	50V
	F1H1H102A748	CERAMIC	1000P K	50V
C008	F1H1H102A219	CERAMIC	1000P K	50V
	F1H1H102A748	CERAMIC	1000P K	50V
C009	F1H1H104A913	CERAMIC	0.1U K	50V
C010	F1H1H104A913	CERAMIC	0.1U K	50V
C011	F1H1H104A913	CERAMIC	0.1U K	50V
C012	F1H1H104A913	CERAMIC	0.1U K	50V
C013	F1H1H104A913	CERAMIC	0.1U K	50V
C014	F1H1H104A913	CERAMIC	0.1U K	50V
C015	F1H1H104A913	CERAMIC	0.1U K	50V
C016	F1H1H104A913	CERAMIC	0.1U K	50V
C018	F1H1H331A792	CERAMIC	330P J	50V
C019	F1H1H331A792	CERAMIC	330P J	50V
C020	F1J1E105A213	CERAMIC	1U K	25V
C021	F1H1H104A913	CERAMIC	0.1U K	50V
C022	F1H1H104A913	CERAMIC	0.1U K	50V
C023	F1J1E105A213	CERAMIC	1U K	25V
C024	F1G1C104A077	CERAMIC	0.1U K	16V
C025	F1G1C104A077	CERAMIC	0.1U K	16V
C026	F1G1C104A077	CERAMIC	0.1U K	16V
C027	F1G1C104A077	CERAMIC	0.1U K	16V
C028	F1G1H150A541	CERAMIC	15P J	50V
C029	F1G1H150A541	CERAMIC	15P J	50V
C031	F1G1H681A571	CERAMIC	680P K	50V
C032	F1G1H101A541	CERAMIC	100P J	50V
	F1G1H101A754	CERAMIC	100P J	50V
C033	F1G1H472A571	CERAMIC	4700P K	50V
C034	F1G1C104A077	CERAMIC	0.1U K	16V
C035	F1G1C104A077	CERAMIC	0.1U K	16V
C036	F1J1E105A213	CERAMIC	1U K	25V
C037	F1J1E105A213	CERAMIC	1U K	25V
C038	F1G1C104A077	CERAMIC	0.1U K	16V
C040	F1G1C104A077	CERAMIC	0.1U K	16V
C041	F1G1C104A077	CERAMIC	0.1U K	16V
C042	F1G1C104A077	CERAMIC	0.1U K	16V

Schematic Location	Part No.	Description
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C5505	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5506	F1G1H103A706	CERAMIC	0.01U K	50V
C5507	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5508	F1G1C104A077	CERAMIC	0.1U K	16V
C5509	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5510	F1G1C104A077	CERAMIC	0.1U K	16V
C5511	F1G1H1020008	CERAMIC	1000P K	50V
C5512	F1G1C104A077	CERAMIC	0.1U K	16V
C5513	F1G1C104A077	CERAMIC	0.1U K	16V
C5514	F1G1H1020008	CERAMIC	1000P K	50V
C5515	F1G1H1020008	CERAMIC	1000P K	50V
C5516	F1G1H103A706	CERAMIC	0.01U K	50V
C5517	F1G1H221A737	CERAMIC	220P J	50V
C5518	F1G1C104A077	CERAMIC	0.1U K	16V
C5519	F1G1H103A706	CERAMIC	0.01U K	50V
C5520	F1G1C104A077	CERAMIC	0.1U K	16V
C5522	F1G1H390A541	CERAMIC	39P J	50V
C5523	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5525	F1G1H221A737	CERAMIC	220P J	50V
C5527	F1G1H103A706	CERAMIC	0.01U K	50V
C5528	F1G1C104A077	CERAMIC	0.1U K	16V
C5531	F1G1C104A077	CERAMIC	0.1U K	16V
C5532	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5533	F1G1C104A077	CERAMIC	0.1U K	16V
C5534	F1G1H103A706	CERAMIC	0.01U K	50V
C5535	F1G1H1020008	CERAMIC	1000P K	50V
C5536	F1G1H221A737	CERAMIC	220P J	50V
C5538	F1G1H1020008	CERAMIC	1000P K	50V
C5539	F1G1H103A706	CERAMIC	0.01U K	50V
C5540	F1G1H1020008	CERAMIC	1000P K	50V
C5541	F1G1H103A706	CERAMIC	0.01U K	50V
C5542	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5543	F1G1H103A706	CERAMIC	0.01U K	50V
C5544	F1G1A105A047	CERAMIC	1U K	10V
C5546	F1G1C104A077	CERAMIC	0.1U K	16V
C5547	F1G1H392A571	CERAMIC	3900P K	50V
C5549	F1G1C104A077	CERAMIC	0.1U K	16V
C5550	F1G1H103A706	CERAMIC	0.01U K	50V
C5551	F1G1H1020008	CERAMIC	1000P K	50V
C5552	F1G1C104A077	CERAMIC	0.1U K	16V
C5553	F1G1H103A706	CERAMIC	0.01U K	50V
C5554	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5555	F1G1C104A077	CERAMIC	0.1U K	16V
C5556	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5557	F1G1A105A047	CERAMIC	1U K	10V
C5558	F1G1H1020008	CERAMIC	1000P K	50V
C5559	F1G1H1020008	CERAMIC	1000P K	50V
C5560	F1G1A105A047	CERAMIC	1U K	10V
C5561	F1G1H1020008	CERAMIC	1000P K	50V

Schematic Location	Part No.	Description
C5562	F1G1C104A077	CERAMIC 0.1UK 16V
C5563	F1G1C104A077	CERAMIC 0.1UK 16V
C5565	F1J0J106A004	CERAMIC 10UK 6.3V
	F1J0J106A020	CERAMIC 10UK 6.3V
C5566	F1G1A105A047	CERAMIC 1UK 10V
C5567	F1H0J4750004	CERAMIC 4.7UK 6.3V
C5568	F1G1H1020008	CERAMIC 1000PK 50V
C5569	F1G1C104A077	CERAMIC 0.1UK 16V
C5570	F1J0J106A004	CERAMIC 10UK 6.3V
	F1J0J106A020	CERAMIC 10UK 6.3V
C5571	F1G1C104A077	CERAMIC 0.1UK 16V
C5572	F1G1A105A047	CERAMIC 1UK 10V
C5574	F1G1A105A047	CERAMIC 1UK 10V
C5576	F1G1A105A047	CERAMIC 1UK 10V
C5577	F1G1A105A047	CERAMIC 1UK 10V
C5578	F1G1A105A047	CERAMIC 1UK 10V
C5579	F1G1A105A047	CERAMIC 1UK 10V
C5590	F1G1E473A091	CERAMIC 0.047UK 25V
C5592	F1G1C104A077	CERAMIC 0.1UK 16V
C5595	F1G1E473A091	CERAMIC 0.047UK 25V
C5597	F1G1H103A706	CERAMIC 0.01UK 50V
C5600	F1G1E473A091	CERAMIC 0.047UK 25V
C5602	F1G1E473A091	CERAMIC 0.047UK 25V
C5606	F1G1H390A541	CERAMIC 39P J 50V
C5613	F1H1H1500009	CERAMIC 15P J 50V
C5614	F1H1H1500009	CERAMIC 15P J 50V
C5615	F1G1C104A077	CERAMIC 0.1UK 16V
C5616	F1G1C104A077	CERAMIC 0.1UK 16V
C5618	F1G1C104A077	CERAMIC 0.1UK 16V
C5619	F1G1H150A541	CERAMIC 15P J 50V
C5650	F1J0J106A004	CERAMIC 10UK 6.3V
	F1J0J106A020	CERAMIC 10UK 6.3V
C5700	F1G1A105A047	CERAMIC 1UK 10V
C5701	F1G1C104A077	CERAMIC 0.1UK 16V
C5702	F1G1A105A047	CERAMIC 1UK 10V
C5703	F1G1C104A077	CERAMIC 0.1UK 16V
C5704	F1G1C104A077	CERAMIC 0.1UK 16V
C5705	F1G1C104A077	CERAMIC 0.1UK 16V
C5707	F1G1C104A077	CERAMIC 0.1UK 16V
C5708	F1G1C104A077	CERAMIC 0.1UK 16V
C5709	F1G1C104A077	CERAMIC 0.1UK 16V
C5711	F1G1C104A077	CERAMIC 0.1UK 16V
C5712	F1G1C104A077	CERAMIC 0.1UK 16V
C5713	F1G1C104A077	CERAMIC 0.1UK 16V
C5714	F1J0J106A004	CERAMIC 10UK 6.3V
	F1J0J106A020	CERAMIC 10UK 6.3V
C5715	F1J0J106A004	CERAMIC 10UK 6.3V
	F1J0J106A020	CERAMIC 10UK 6.3V
C5750	F1G1A105A047	CERAMIC 1UK 10V
C5902	F1G1C104A077	CERAMIC 0.1UK 16V
C5903	F1G1A684A047	CERAMIC 0.68UK 10V
C5905	F1G1C104A077	CERAMIC 0.1UK 16V
C6250	F1G1A105A047	CERAMIC 1UK 10V
C6251	F1G1H1020008	CERAMIC 1000PK 50V
C6252	F1H0J4750004	CERAMIC 4.7UK 6.3V
C6253	F2G1C101A066	ELECT 100UM 16V

Schematic Location	Part No.	Description
	F2G1C101A071	ELECT 100UM 16V
C6254	F1G1C104A077	CERAMIC 0.1UK 16V
C6255	F1G1H560A541	CERAMIC 56P J 50V
C6256	F1H0J4750004	CERAMIC 4.7UK 6.3V
C6257	F1H0J4750004	CERAMIC 4.7UK 6.3V
C6258	F1G1H560A541	CERAMIC 56P J 50V
C6259	F1H0J4750004	CERAMIC 4.7UK 6.3V
C6260	F1G1H1020008	CERAMIC 1000PK 50V
C6261	F1G1A105A047	CERAMIC 1UK 10V
C6330	F1G1C104A077	CERAMIC 0.1UK 16V
C6530	F1G1C104A077	CERAMIC 0.1UK 16V
C6531	F1G1C104A077	CERAMIC 0.1UK 16V
C6560	F1G1C104A077	CERAMIC 0.1UK 16V
C6561	F1G1C104A077	CERAMIC 0.1UK 16V
C6600	F1G1A105A047	CERAMIC 1UK 10V
C6601	F1G1A105A047	CERAMIC 1UK 10V
C6702	F1G1C104A077	CERAMIC 0.1UK 16V
C6703	F1J0J106A004	CERAMIC 10UK 6.3V
	F1J0J106A020	CERAMIC 10UK 6.3V
C6706	F1G1C104A077	CERAMIC 0.1UK 16V
C6709	F1J0J106A004	CERAMIC 10UK 6.3V
	F1J0J106A020	CERAMIC 10UK 6.3V
C6720	F1H0J4750004	CERAMIC 4.7UK 6.3V
C6721	F1G1C104A077	CERAMIC 0.1UK 16V
C6722	F1G1C104A077	CERAMIC 0.1UK 16V
C6723	F1G1A105A047	CERAMIC 1UK 10V
C6724	F1G1H392A571	CERAMIC 3900PK 50V
C6727	F1J0J106A004	CERAMIC 10UK 6.3V
	F1J0J106A020	CERAMIC 10UK 6.3V
C6728	F1G1H103A706	CERAMIC 0.01UK 50V
C6729	F1G1C104A077	CERAMIC 0.1UK 16V
C6730	F1G1H221A737	CERAMIC 220P J 50V
C6733	F1G1A105A047	CERAMIC 1UK 10V
C6740	F1G1A2240008	CERAMIC 0.22UK 10V
C6741	F1G1C104A077	CERAMIC 0.1UK 16V
C6742	F1G1C104A077	CERAMIC 0.1UK 16V
C6744	F1J0J106A004	CERAMIC 10UK 6.3V
	F1J0J106A020	CERAMIC 10UK 6.3V
C6752	F1G1E473A091	CERAMIC 0.047UK 25V
C6753	F1G1A105A047	CERAMIC 1UK 10V
C6754	F1G1A105A047	CERAMIC 1UK 10V
C6755	F1J0J106A004	CERAMIC 10UK 6.3V
	F1J0J106A020	CERAMIC 10UK 6.3V
DIODES		
D002	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D003	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D007	B0BC6R100010	ZD UDZS-TE-176.2B
	B0BC6R2A0384	ZENER DIODE MM3Z6V2B

Schematic Location	Part No.	Description
D008	DZDZ2J062M0LG	ZD DIODE DZ2J062M0L
	B0BC6R100010	ZD UDZS-TE-176.2B
	B0BC6R2A0384	ZENER DIODE MM3Z6V2B
D6700	DZDZ2J062M0LG	ZD DIODE DZ2J062M0L
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
INTEGRATED CIRCUITS		
IC001	C1AB00003628	IC STA333W13TR
IC5500	C1AB00003859	IC ZR39748BGC-G-A3
	C1AB00003956	IC ZR39748HGCG
IC5700	C3ABSY000102	IC H5PS5162GFR-S6C
IC5750	QXXAAJQ1461—	IC S25FL064P0XMF1000-Z6SE
IC5900	C0EBY0001079	IC XC6118N28AMR-G
IC6250	C0ABBB000350	IC BA4558RF-E2
	C0ABBB000450	IC NJM4558M-TE2
IC6530	C0JBAA000345	“IC TC7SET08FU(T5L,JF)”
	C0JBAA000502	“IC TC7SET08FU(5L,JF,T)”
	C0JBAA000505	IC 74AHCT1G08GW
IC6560	C0JBAA000345	“IC TC7SET08FU(T5L,JF)”
	C0JBAA000502	“IC TC7SET08FU(5L,JF,T)”
	C0JBAA000505	IC 74AHCT1G08GW
IC6600	C0DBZYY00485	IC NCP380HSN05AAT1G
IC6700	C0CBAYG00009	IC LM1117S-ADJ
IC6720	C0DBAYY01122	IC BD9328EFJ-E2
IC6750	C0DBGYY02242	IC AP2128K-ADJTRG1
COILS		
L001	G1C220MA0445	“INDUCTOR ,22UH”
L002	G1C220MA0445	“INDUCTOR ,22UH”
L003	G1C220MA0445	“INDUCTOR ,22UH”
L009	JOJCC0000371	“INDUCTOR , 120 OHM”
L011	JOJYC0000381	“INDUCTOR , 220 OHM”
L012	JOJYC0000381	“INDUCTOR , 220 OHM”
L013	G1C220MA0445	“INDUCTOR ,22UH”
L017	JOJCC0000371	“INDUCTOR , 120 OHM”
L5500	JOJCC0000371	“INDUCTOR , 120 OHM”
L5501	JOJCC0000371	“INDUCTOR , 120 OHM”
L5502	JOJCC0000371	“INDUCTOR , 120 OHM”
L5503	JOJYC0000381	“INDUCTOR , 220 OHM”
L5504	JOJYC0000381	“INDUCTOR , 220 OHM”
L5505	JOJCC0000371	“INDUCTOR , 120 OHM”
L5506	JOJCC0000371	“INDUCTOR , 120 OHM”
L5507	JOJCC0000371	“INDUCTOR , 120 OHM”
L5508	JOJCC0000371	“INDUCTOR , 120 OHM”
L5509	JOJCC0000371	“INDUCTOR , 120 OHM”
L5510	JOJCC0000371	“INDUCTOR , 120 OHM”
L5511	JOJCC0000371	“INDUCTOR , 120 OHM”
L5512	D0GB750JA041	MT-GLAZE 75 JA 1/10W
	D0GB750JA072	MT-GLAZE 75 JA 1/10W
	D0GB750JA089	MT-GLAZE 75 JA 1/10W
L5513	JOJCC0000371	“INDUCTOR , 120 OHM”
L5514	JOJCC0000371	“INDUCTOR , 120 OHM”
L5515	JOJCC0000371	“INDUCTOR , 120 OHM”
L5516	G1CR22JA0135	“INDUCTOR ,0.22UH”

Schematic Location	Part No.	Description
L6313	D1HYR004A012	R-NETWORK 0X4 0.063W
L6314	D1HYR004A012	R-NETWORK 0X4 0.063W
L6315	D1HYR004A012	R-NETWORK 0X4 0.063W
L6316	D1HYR004A012	R-NETWORK 0X4 0.063W
L6317	D1HYR004A012	R-NETWORK 0X4 0.063W
L6318	D1HYR004A012	R-NETWORK 0X4 0.063W
L6340	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L6501	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L6502	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L6503	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L6506	JOJYC0000381	“INDUCTOR , 220 OHM”
L6507	JOJYC0000381	“INDUCTOR , 220 OHM”
L6508	JOJYC0000381	“INDUCTOR , 220 OHM”
L6509	JOJYC0000381	“INDUCTOR , 220 OHM”
L6720	G1C220MA0445	“INDUCTOR ,22UH”
L6721	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L6722	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
TRANSISTORS		
Q6250	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
Q6251	B1ADCF000004	TR 2SA1037AK-S-T146
	B1ADCF000194	TR ISA1235AC1F
	B1ADCF000195	TR 2SA1037AK-T146-R
	B1ADCF000201	TR ISA1235AC1E
	B1ADDF000004	TR 2SA1235A1F
Q6252	B1ADDF000017	TR 2SA1235A1E
	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	B1D added	
Q6329	B1DHDD000041	TR AO3407A
Q6330	B1ABGD000007	TR 2SC2411K-T146-Q
Q6331	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
Q6332	B1ABDF000024	TR 2SC3928A1S
	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	B1ABCE000028	TR MMBTSC3928R
Q6720	B1ABDF000024	TR 2SC3928A1S
	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	B1ABCE000028	TR MMBTSC3928R
Q6721	B1ABDF000024	TR 2SC3928A1S
	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	B1ABCE000028	TR MMBTSC3928R
Q6723	B1ABDF000024	TR 2SC3928A1S
	B1CHRD000053	TR AO3400A
Q6740	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000024	TR 2SC3928A1S
Q6741	B1ABCE000028	TR MMBTSC3928R

Schematic Location	Part No.	Description
Q6743	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	B1CHRD000053	TR AO3400A
RESISTORS		
R001	D0GB5R6JA040	MT-GLAZE 5.6 JA 1/10W
	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
	D0GB5R6JA090	MT-GLAZE 5.6 JA 1/10W
R002	D0GB5R6JA040	MT-GLAZE 5.6 JA 1/10W
	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
	D0GB5R6JA090	MT-GLAZE 5.6 JA 1/10W
R003	D0GB5R6JA040	MT-GLAZE 5.6 JA 1/10W
	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
	D0GB5R6JA090	MT-GLAZE 5.6 JA 1/10W
R004	D0GB5R6JA040	MT-GLAZE 5.6 JA 1/10W
	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
	D0GB5R6JA090	MT-GLAZE 5.6 JA 1/10W
R005	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
R006	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
R007	JOJCC0000371	"INDUCTOR, 120 OHM"
R008	JOJCC0000371	"INDUCTOR, 120 OHM"
R009	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R010	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R012	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R013	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R015	D0GB222JA041	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA072	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA089	MT-GLAZE 2.2K JA 1/10W
R019	D0GB222JA041	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA072	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA089	MT-GLAZE 2.2K JA 1/10W
R022	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
R023	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
R5500	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R5501	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R5502	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
R5503	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5504	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
	D0GB123ZA038	MT-GLAZE 12K FA 1/10W
R5505	D0GB123ZA068	MT-GLAZE 12K FA 1/10W
	D1BB1202A055	MT-GLAZE 12K FA 1/10W
	D0GB821ZA037	MT-GLAZE 820 FA 1/10W
R5506	D0GB821ZA068	MT-GLAZE 820 FA 1/10W
	D1BB8200A055	MT-GLAZE 820 FA 1/10W
R5507	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R5508	D0GB123ZA038	MT-GLAZE 12K FA 1/10W
	D0GB123ZA068	MT-GLAZE 12K FA 1/10W
	D1BB1202A055	MT-GLAZE 12K FA 1/10W
R5509	D0GB472ZA038	MT-GLAZE 4.7K FA 1/10W
	D0GB472ZA068	MT-GLAZE 4.7K FA 1/10W
	D1BB4701A055	MT-GLAZE 4.7K FA 1/10W
R5510	D0GB472ZA038	MT-GLAZE 4.7K FA 1/10W
	D0GB472ZA068	MT-GLAZE 4.7K FA 1/10W
	D1BB4701A055	MT-GLAZE 4.7K FA 1/10W
R5513	D0GB820JA041	MT-GLAZE 82 JA 1/10W
	D0GB820JA072	MT-GLAZE 82 JA 1/10W
	D0GB820JA089	MT-GLAZE 82 JA 1/10W
R5514	D0GB100JA041	MT-GLAZE 10 JA 1/10W
	D0GB100JA072	MT-GLAZE 10 JA 1/10W
	D0GB100JA089	MT-GLAZE 10 JA 1/10W
R5516	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R5517	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R5518	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R5519	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R5520	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
	D0GB102JA041	MT-GLAZE 1K JA 1/10W
R5522	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R5523	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R5524	D0GB391ZA037	MT-GLAZE 390 FA 1/10W
	D0GB391ZA068	MT-GLAZE 390 FA 1/10W
	D1BB3900A055	MT-GLAZE 390 FA 1/10W
R5525	D0GB472JA041	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA089	MT-GLAZE 4.7K JA 1/10W
R5526	D0GB472JA041	MT-GLAZE 4.7K JA 1/10W

Schematic Location	Part No.	Description
R6269	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6270	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6330	D0GZ151JA019	MT-GLAZE 150 JA 1W
R6331	D0GZ151JA019	MT-GLAZE 150 JA 1W
R6332	D0GZ151JA019	MT-GLAZE 150 JA 1W
R6337	D0GB155JA040	MT-GLAZE 1.5M JA 1/10W
	D0GB155JA072	MT-GLAZE 1.5M JA 1/10W
R6339	D0GB472JA041	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA089	MT-GLAZE 4.7K JA 1/10W
R6340	D0GB472JA041	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA089	MT-GLAZE 4.7K JA 1/10W
R6341	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6342	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6344	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R6346	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6348	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6350	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6503	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R6504	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R6530	D0GB473JA041	MT-GLAZE 47K JA 1/10W
	D0GB473JA072	MT-GLAZE 47K JA 1/10W
	D0GB473JA089	MT-GLAZE 47K JA 1/10W
R6531	D0GB473JA041	MT-GLAZE 47K JA 1/10W
	D0GB473JA072	MT-GLAZE 47K JA 1/10W
	D0GB473JA089	MT-GLAZE 47K JA 1/10W
R6532	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R6533	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6534	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
R6535	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W

Schematic Location	Part No.	Description
R6536	D0GB470JA089	MT-GLAZE 47 JA 1/10W
	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R6546	D0GB102JA089	MT-GLAZE 1K JA 1/10W
	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6547	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6549	D0GB223JA041	MT-GLAZE 22K JA 1/10W
	D0GB223JA070	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
R6550	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
R6560	D0GB473JA041	MT-GLAZE 47K JA 1/10W
	D0GB473JA072	MT-GLAZE 47K JA 1/10W
	D0GB473JA089	MT-GLAZE 47K JA 1/10W
R6561	D0GB473JA041	MT-GLAZE 47K JA 1/10W
	D0GB473JA072	MT-GLAZE 47K JA 1/10W
	D0GB473JA089	MT-GLAZE 47K JA 1/10W
R6562	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R6563	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6564	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
R6565	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
R6566	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R6576	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6577	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6579	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6581	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
R6582	D0GB223JA041	MT-GLAZE 22K JA 1/10W
	D0GB223JA070	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
R6600	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6602	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6604	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6606	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
R6607	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6608	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6706	D0GB471ZA037	MT-GLAZE 470 FA 1/10W
	D0GB471ZA068	MT-GLAZE 470 FA 1/10W
	D1BB4700A055	MT-GLAZE 470 FA 1/10W
R6707	D0GB100JA041	MT-GLAZE 10 JA 1/10W
	D0GB100JA072	MT-GLAZE 10 JA 1/10W
	D0GB100JA089	MT-GLAZE 10 JA 1/10W
R6708	D0GB221Z0002	MT-GLAZE 220 FA 1 /10W
	D0GB221ZA068	MT-GLAZE 220 FA 1 /10W
	D1BB2200A055	MT-GLAZE 220 FA 1 /10W
R6709	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6711	D0GB2R2JA072	MT-GLAZE 2.2 JA 1/10W
R6720	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6722	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6723	D0GB683ZA038	MT-GLAZE 68K FA 1/10W
	D0GB683ZA068	MT-GLAZE 68K FA 1/10W
	D1BB6802A055	MT-GLAZE 68K FA 1/10W
R6725	D0GB472ZA038	MT-GLAZE 4.7K FA 1/10W
	D0GB472ZA068	MT-GLAZE 4.7K FA 1/10W
	D1BB4701A055	MT-GLAZE 4.7K FA 1/10W
R6726	D0GB183ZA038	MT-GLAZE 18K FA 1/10W
	D0GB183ZA063	MT-GLAZE 18K FA 1/10W
	D1BB1802A055	MT-GLAZE 18K FA 1/10W
R6727	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6728	D0GB223JA041	MT-GLAZE 22K JA 1/10W
	D0GB223JA070	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
R6729	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6730	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6731	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6732	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6733	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6734	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6740	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6741	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
R6743	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
	D0GB223JA041	MT-GLAZE 22K JA 1/10W
	D0GB223JA070	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
R6744	D0GB104JA041	MT-GLAZE 100K JA 1/10W
	D0GB104JA068	MT-GLAZE 100K JA 1/10W
	D0GB104JA089	MT-GLAZE 100K JA 1/10W
R6745	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6746	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6750	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6755	D0GB681ZA037	MT-GLAZE 680 FA 1/10W
	D0GB681ZA068	MT-GLAZE 680 FA 1/10W
	D1BB6800A055	MT-GLAZE 680 FA 1/10W
R6756	D0GB332ZA038	MT-GLAZE 3.3K FA 1/10W
	D0GB332ZA068	MT-GLAZE 3.3K FA 1/10W
	D1BB3301A055	MT-GLAZE 3.3K FA 1/10W
R6757	D0GB103ZA038	MT-GLAZE 10K FA 1/10W
	D0GB103ZA068	MT-GLAZE 10K FA 1/10W
	D1BB1002A055	MT-GLAZE 10K FA 1/10W
R6758	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6795	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R7430	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W

“ASSY,PWB,ANALOG Z6WE”

CAPACITORS

C1020	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C1029	F1H1H2700008	CERAMIC	27P J	50V
C1051	F1H1H102A219	CERAMIC	1000P K	50V
	F1H1H102A748	CERAMIC	1000P K	50V
C1052	F1H1H102A219	CERAMIC	1000P K	50V
	F1H1H102A748	CERAMIC	1000P K	50V
C1600	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C1603	F1H1C104A041	CERAMIC	0.1U K	16V
	F1H1C104A091	CERAMIC	0.1U K	16V
	F1L1C1040001	CERAMIC	0.1U K	16V
C1604	F2A1C4710108	ELECT	470U M	16V
	F2A1C471B844	ELECT	470U M	16V
C1620	F2A1E4710118	ELECT	470U M	25V
	F2A1E4710121	ELECT	470U M	25V
	F2G1E471A185	ELECT	470U M	25V
C1621	F1H1H104A913	CERAMIC	0.1U K	50V
C1622	F1H1H104A913	CERAMIC	0.1U K	50V
C1623	F1J1E105A213	CERAMIC	1U K	25V
C1625	F1H1H472A219	CERAMIC	4700P K	50V
C1626	F1J1E105A213	CERAMIC	1U K	25V
C1627	F2A1C4710108	ELECT	470U M	16V

Schematic Location	Part No.	Description
	F2A1C471B844	ELECT 470U M 16V
C1640	F1H1C104A041	CERAMIC 0.1U K 16V
	F1H1C104A091	CERAMIC 0.1U K 16V
	F1L1C1040001	CERAMIC 0.1U K 16V
C1641	F1H1C104A041	CERAMIC 0.1U K 16V
	F1H1C104A091	CERAMIC 0.1U K 16V
	F1L1C1040001	CERAMIC 0.1U K 16V
C1642	F2A1E4710118	ELECT 470U M 25V
	F2A1E4710121	ELECT 470U M 25V
	F2G1E471A185	ELECT 470U M 25V
C1643	F1H1C104A041	CERAMIC 0.1U K 16V
	F1H1C104A091	CERAMIC 0.1U K 16V
	F1L1C1040001	CERAMIC 0.1U K 16V
C1644	F2A1C4710108	ELECT 470U M 16V
	F2A1C471B844	ELECT 470U M 16V
C1666	F2A1E4710118	ELECT 470U M 25V
	F2A1E4710121	ELECT 470U M 25V
	F2G1E471A185	ELECT 470U M 25V
C1700	F1H1H104A913	CERAMIC 0.1U K 50V
C1704	F1H1H103A219	CERAMIC 0.01U K 50V
C1706	F1H1H104A913	CERAMIC 0.1U K 50V
C1708	F2A1C4710108	ELECT 470U M 16V
	F2A1C471B844	ELECT 470U M 16V
C1800	F1H1C104A041	CERAMIC 0.1U K 16V
	F1H1C104A091	CERAMIC 0.1U K 16V
	F1L1C1040001	CERAMIC 0.1U K 16V
C1801	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C1802	F1H1H103A219	CERAMIC 0.01U K 50V
C1803	F1H1H103A219	CERAMIC 0.01U K 50V
C6101	J0JCC0000371	"INDUCTOR, 120 OHM"
C6102	F1H1H2200008	CERAMIC 22P J 50V
C6104	J0JCC0000371	"INDUCTOR, 120 OHM"
C6105	F1H1H2200008	CERAMIC 22P J 50V
C6108	F1H1H2700008	CERAMIC 27P J 50V
C6109	F2A0J1020091	ELECT 1000U M 6.3V
	F2A0J102B357	ELECT 1000U M 6.3V
C6110	F1H1C104A041	CERAMIC 0.1U K 16V
	F1H1C104A091	CERAMIC 0.1U K 16V
	F1L1C1040001	CERAMIC 0.1U K 16V
C6113	F1H1H102A219	CERAMIC 1000P K 50V
	F1H1H102A748	CERAMIC 1000P K 50V
C6114	F1H1H2700008	CERAMIC 27P J 50V
C6115	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C6117	F1H1C104A041	CERAMIC 0.1U K 16V
	F1H1C104A091	CERAMIC 0.1U K 16V
	F1L1C1040001	CERAMIC 0.1U K 16V
C6118	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C6120	F2A0J1020091	ELECT 1000U M 6.3V
	F2A0J102B357	ELECT 1000U M 6.3V
C6122	F2A1C4710108	ELECT 470U M 16V
	F2A1C471B844	ELECT 470U M 16V

Schematic Location	Part No.	Description
	DIODES	
D1641	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D1668	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D1750	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D6101	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	INTEGRATED CIRCUITS	
IC1600	C0CBAYG00009	IC LM1117S-ADJ
IC1620	C0DBAYY01077	IC BD9329AEFJ-E2
IC1640	C0CBAYG00009	IC LM1117S-ADJ
IC6001	C0CBAYG00009	IC LM1117S-ADJ
COILS		
L1002	J0JYC0000381	"INDUCTOR , 220 OHM"
L1611	J0JYC0000381	"INDUCTOR , 220 OHM"
L1612	J0JYC0000381	"INDUCTOR , 220 OHM"
L1620	G0C150M00005	"INDUCTOR,15UH"
L1642	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L1643	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L1691	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L1702	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L1704	J0JYC0000381	"INDUCTOR , 220 OHM"
L1707	J0JYC0000381	"INDUCTOR , 220 OHM"
L1716	J0JCC0000371	"INDUCTOR , 120 OHM"
L1794	J0JYC0000381	"INDUCTOR , 220 OHM"
L1801	J0JCC0000371	"INDUCTOR , 120 OHM"
L1802	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L6100	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0YDR0000036	MT-GLAZE 0.000 ZA 1/10W
L6101	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0YDR0000036	MT-GLAZE 0.000 ZA 1/10W
L6102	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0YDR0000036	MT-GLAZE 0.000 ZA 1/10W
L6103	J0JCC0000371	"INDUCTOR , 120 OHM"
L6104	J0JCC0000371	"INDUCTOR , 120 OHM"
L6105	J0JYC0000381	"INDUCTOR , 220 OHM"
	TRANSISTORS	
Q1750	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
Q1751	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S

Schematic Location	Part No.	Description
Q1810	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
Q1813	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S

RESISTORS

R1005	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1006	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1007	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1008	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1009	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1011	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1012	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1013	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1020	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1022	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1023	D0GB820JA041	MT-GLAZE	82 JA 1/10W
	D0GB820JA072	MT-GLAZE	82 JA 1/10W
	D0GB820JA089	MT-GLAZE	82 JA 1/10W
R1024	D0GB750JA041	MT-GLAZE	75 JA 1/10W
	D0GB750JA072	MT-GLAZE	75 JA 1/10W
	D0GB750JA089	MT-GLAZE	75 JA 1/10W
R1051	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1052	D0GB104JA041	MT-GLAZE	100K JA 1/10W
	D0GB104JA068	MT-GLAZE	100K JA 1/10W
	D0GB104JA089	MT-GLAZE	100K JA 1/10W
R1054	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1055	D0GB104JA041	MT-GLAZE	100K JA 1/10W
	D0GB104JA068	MT-GLAZE	100K JA 1/10W
	D0GB104JA089	MT-GLAZE	100K JA 1/10W
R1600	D0GB121ZA038	MT-GLAZE	120 FA 1/10W
	D1BB1200A055	MT-GLAZE	120 FA 1/10W
R1601	D0GB120JA041	MT-GLAZE	12 JA 1/10W
	D0GB120JA072	MT-GLAZE	12 JA 1/10W
	D0GB120JA089	MT-GLAZE	12 JA 1/10W
R1602	D0GB221Z0002	MT-GLAZE	220 FA 1 /10W
	D1BB2200A055	MT-GLAZE	220 FA 1 /10W
R1621	D0GB220JA041	MT-GLAZE	22 JA 1/10W
	D0GB220JA072	MT-GLAZE	22 JA 1/10W
	D0GB220JA089	MT-GLAZE	22 JA 1/10W
R1622	D0GB122ZA038	MT-GLAZE	1.2K FA 1/10W
	D1BB1201A055	MT-GLAZE	1.2K FA 1/10W

Schematic Location	Part No.	Description
R1623	D0GB562JA041	MT-GLAZE 5.6K JA 1/10W
	D0GB562JA072	MT-GLAZE 5.6K JA 1/10W
	D0GB562JA089	MT-GLAZE 5.6K JA 1/10W
R1624	D0GB472ZA038	MT-GLAZE 4.7K FA 1/10W
	D1BB4701A055	MT-GLAZE 4.7K FA 1/10W
R1625	D0GB821ZA037	MT-GLAZE 820 FA 1/10W
R1628	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R1630	D0C12R2JA070	OXIDE-MT 2.2 JA 1W
R1635	D0C12R2JA070	OXIDE-MT 2.2 JA 1W
R1640	D0GB121ZA038	MT-GLAZE 120 FA 1/10W
	D1BB1200A055	MT-GLAZE 120 FA 1/10W
R1641	D0GB120JA041	MT-GLAZE 12 JA 1/10W
	D0GB120JA072	MT-GLAZE 12 JA 1/10W
	D0GB120JA089	MT-GLAZE 12 JA 1/10W
R1642	D0GB821ZA037	MT-GLAZE 820 FA 1/10W
	D1BB8200A055	MT-GLAZE 820 FA 1/10W
R1668	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
	D0YBR0000029	MT-GLAZE 0.000 ZA 1/10W
R1698	JOJCC0000371	"INDUCTOR, 120 OHM"
R1699	JOJCC0000371	"INDUCTOR, 120 OHM"
R1702	D0GB221JA041	MT-GLAZE 220 JA 1/10W
	D0GB221JA069	MT-GLAZE 220 JA 1/10W
	D0GB221JA089	MT-GLAZE 220 JA 1/10W
R1707	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1708	D0GB183JA041	MT-GLAZE 18K JA 1/10W
	D0GB183JA072	MT-GLAZE 18K JA 1/10W
	D0GB183JA089	MT-GLAZE 18K JA 1/10W
R1727	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R1750	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
	D0GB182JA041	MT-GLAZE 1.8K JA 1/10W
R1751	D0GB182JA072	MT-GLAZE 1.8K JA 1/10W
	D0GB182JA089	MT-GLAZE 1.8K JA 1/10W
R1752	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R1753	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R1754	D0GB332JA041	MT-GLAZE 3.3K JA 1/10W
	D0GB332JA072	MT-GLAZE 3.3K JA 1/10W
	D0GB332JA089	MT-GLAZE 3.3K JA 1/10W
R1790	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1791	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R1792	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1797	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1800	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1801	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R1802	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R1804	D0GB222JA041	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA072	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA089	MT-GLAZE 2.2K JA 1/10W
R1805	D0GB221JA041	MT-GLAZE 220 JA 1/10W
	D0GB221JA069	MT-GLAZE 220 JA 1/10W
	D0GB221JA089	MT-GLAZE 220 JA 1/10W
R1810	D0GB331JA041	MT-GLAZE 330 JA 1/10W
	D0GB331JA069	MT-GLAZE 330 JA 1/10W
	D0GB331JA089	MT-GLAZE 330 JA 1/10W
R1811	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R1812	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R1813	D0GB331JA041	MT-GLAZE 330 JA 1/10W
	D0GB331JA069	MT-GLAZE 330 JA 1/10W
	D0GB331JA089	MT-GLAZE 330 JA 1/10W
R1843	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6100	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
R6101	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
R6105	D0GB221JA041	MT-GLAZE 220 JA 1/10W
	D0GB221JA069	MT-GLAZE 220 JA 1/10W
	D0GB221JA089	MT-GLAZE 220 JA 1/10W
R6106	D0GB6R8JA072	MT-GLAZE 6.8 JA 1/10W
	D0GB6R8JA096	MT-GLAZE 6.8 JA 1/10W
R6107	D0GB681JA069	MT-GLAZE 680 JA 1/10W
	D0GB681JA089	MT-GLAZE 680 JA 1/10W
R6108	D0C1100JA070	OXIDE-MT 10 JA 1W

Schematic Location	Part No.	Description
MISCELANEOUS		
⚠ A200	1LG0B10Y10500	"ASSY,PWB,DIGITAL Z6WE"
⚠ A100	1LG0B10Y10400	"ASSY,PWB,ANALOG Z6WE"
⚠ A101	1LG0B10Y1040A	"ASSY,PWB,SUB Z6WE"
⚠ A6102	J3ACAAB00004	"TUNER,U/V"
⚠ A102	1LG0B10Y1040B	"ASSY,PWB,RC+KEY Z6WE"
⚠ EL901	1AV4T40C32900	LCD(V500HJ1-L01)
	K7200-PN	1AV4W32B35300
	K1000	K2HA3YYA0005
	K1002	K2HA3YYA0004
	K1004	K2HA5YYA0004
	K1005	K1KY44BA0348
	K55SP	K1KA04AA0180
	K5A	K1KY44B00005
	K5DL	K1KA04AA0193
	K5DL	K1KY04A00049
	K6530	K1FY119D0024
	K6560	K1FY119D0024
	K6601	K1FY104A0023
	K6602	K2HC1YYA0035
	K7200	K1MY51B00005
	SPL	L0AA12C00016
	SPR	L0AA12C00016
⚠ U901	N0AB3FK00001	"UNIT,POWER-Z6WE"
⚠ W901	K2CB2YY00070	CORD,POWER-2.15MK-VTR-02
	K2CB2YY00075	CORD,POWER-2150MK
	X5500	H0J250500115
		"OSC,CRYSTAL 25MHZ"

SERVICE PARTS

"For Digital board replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,DIGITAL Z6WE

Japan BOM part number: 1LG0B10Y10500

"For Analog board replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,ANALOG Z6WE

Japan BOM part number: 1LG0B10Y10400

"For RC+KEY unit replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,RC+KEY Z6WE

Japan BOM part number: 1LG0B10Y1040B

NOTE: This is a sub-assembly (A100) from ASSY,PWB,ANALOG Z6WE

"For Power board replacement please get the correct assembly name/part number"

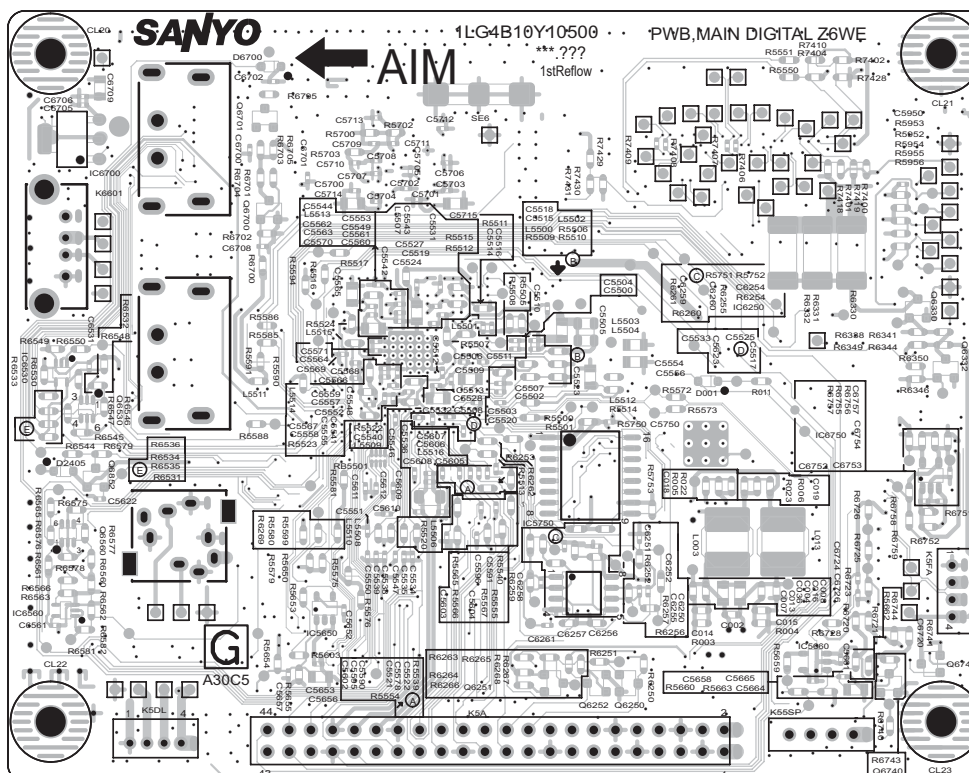
Service Name: UNIT,POWER-Z6WE

Japan BOM part number: N0AB3FK00001

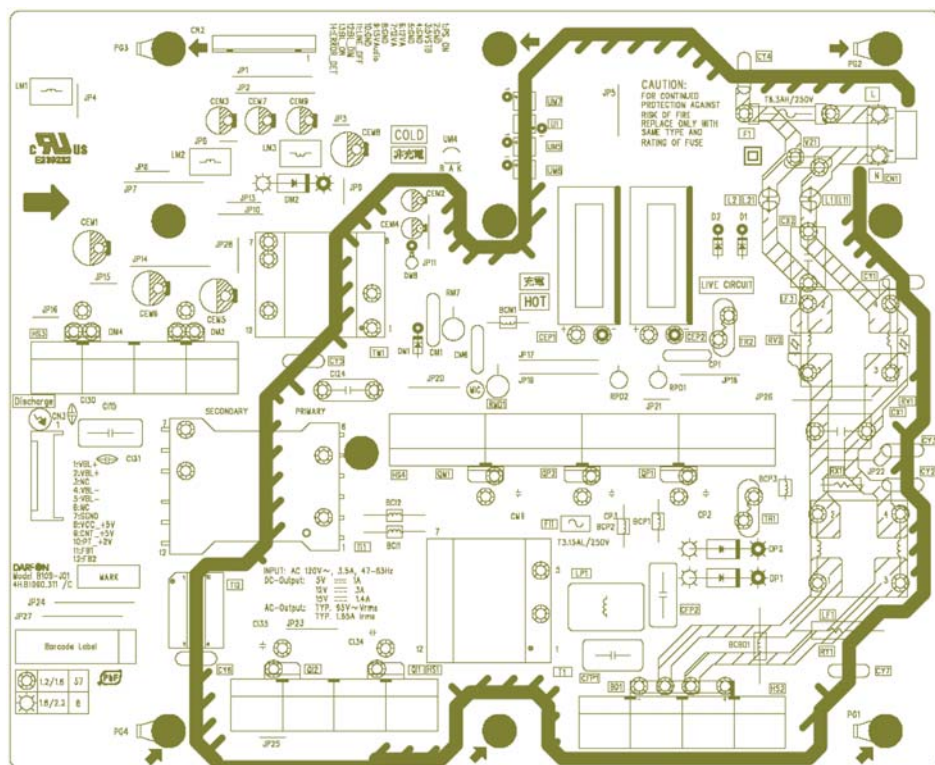
ANALOG BOARD PARTS SIDE



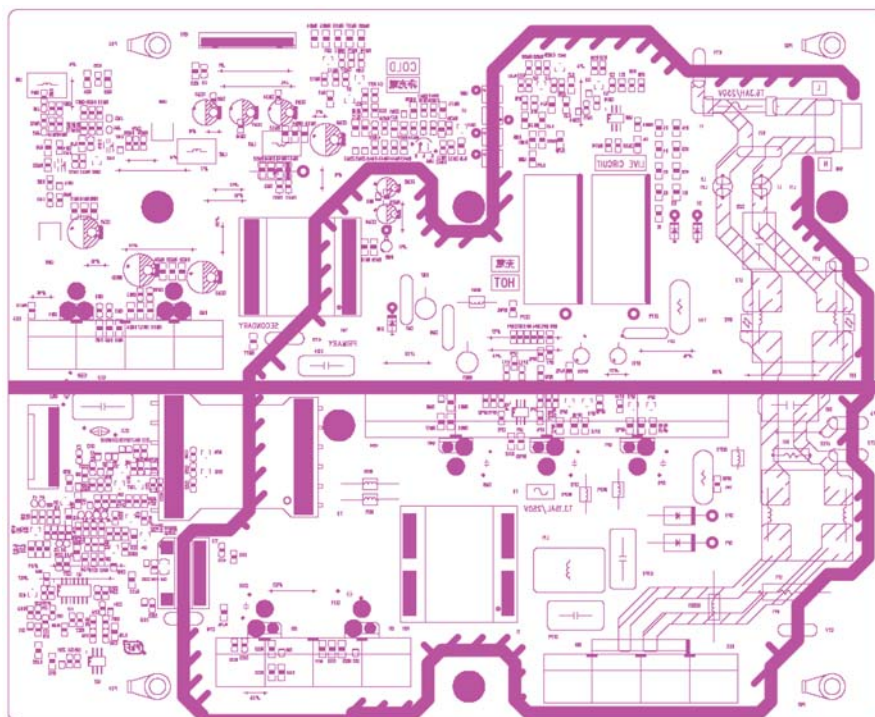
DIGITAL BOARD PARTS SIDE



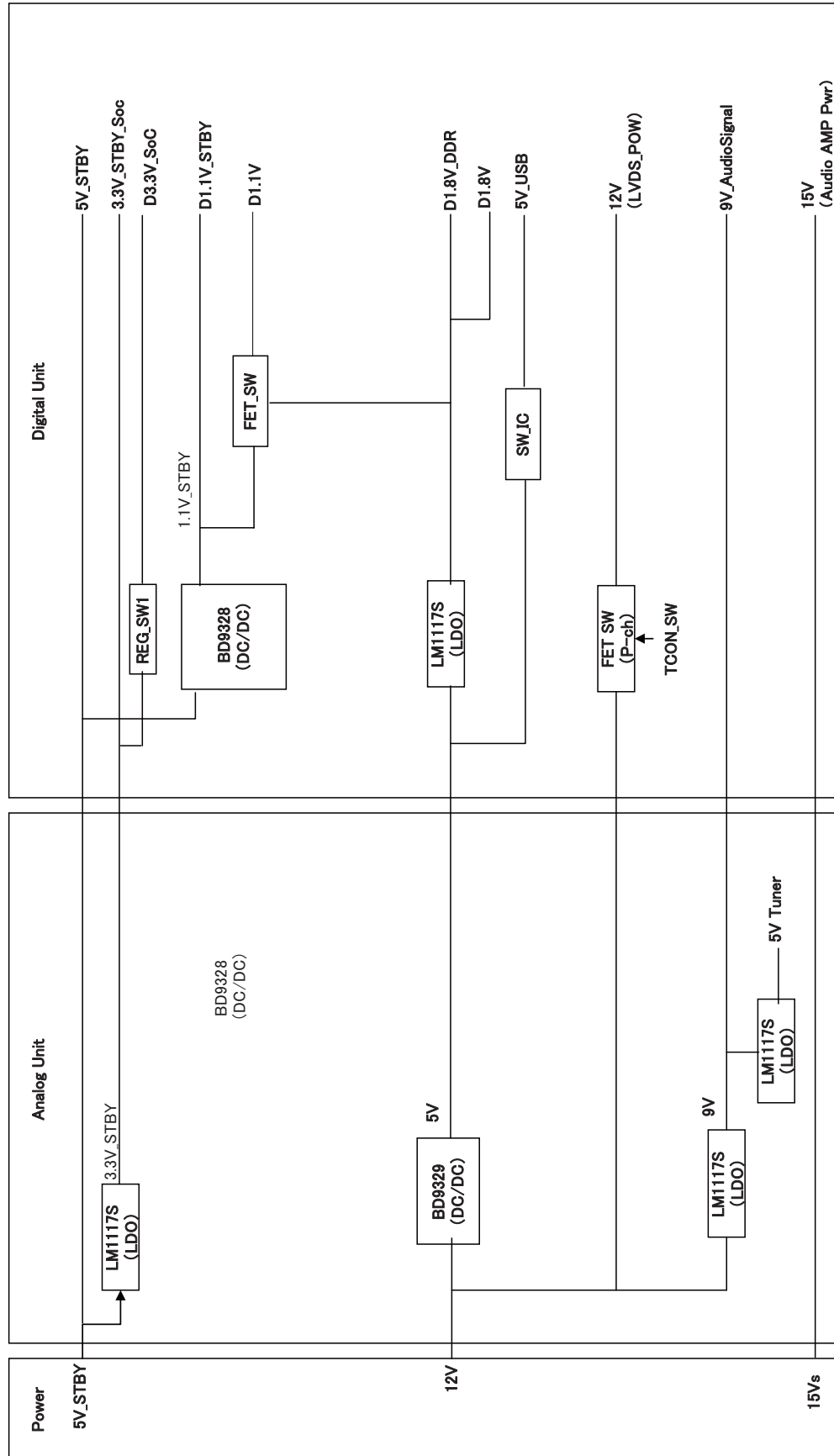
POWER BOARD PART SIDE



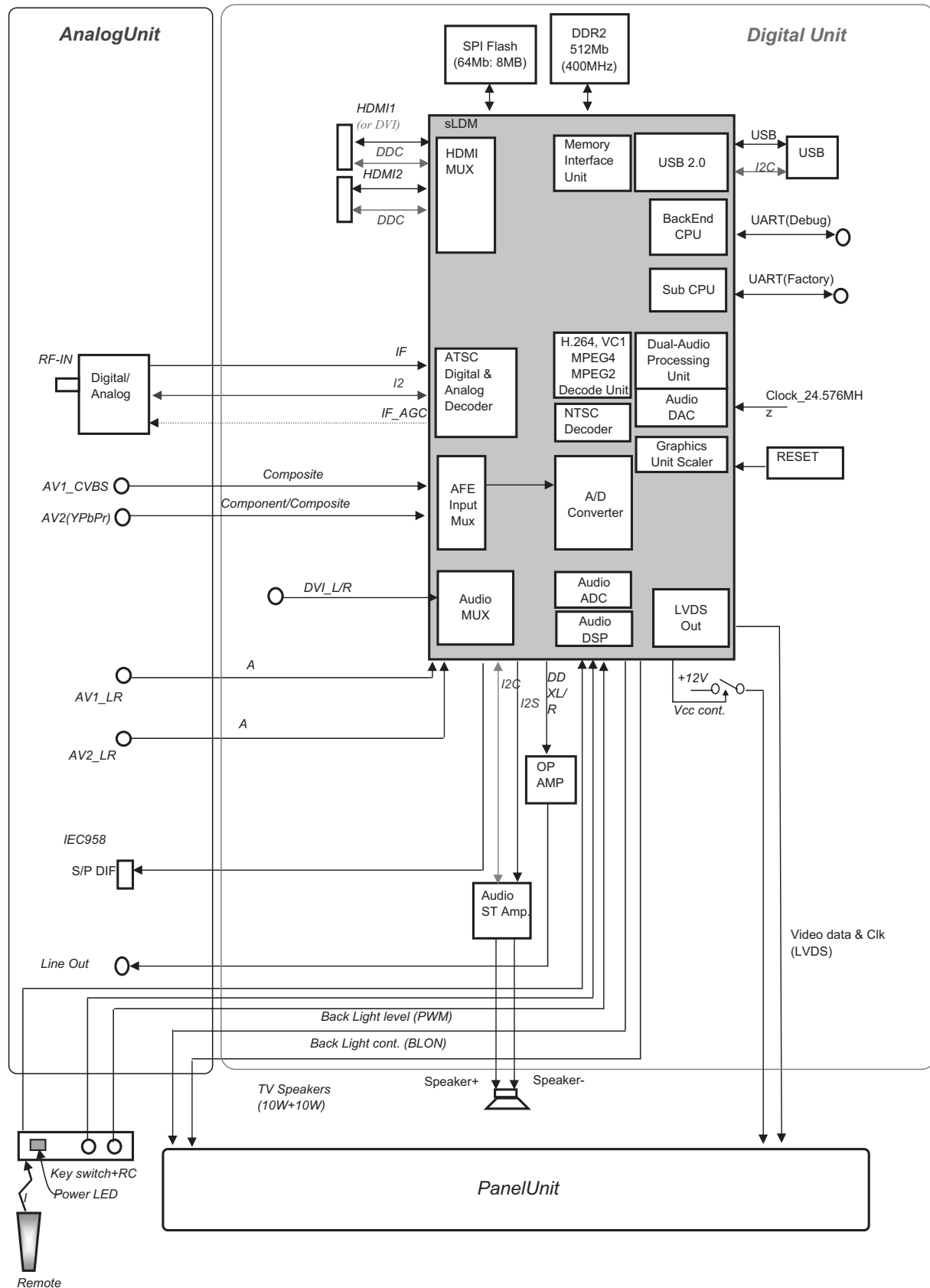
POWER BOARD SOLDER SIDE



BLOCK DIAGRAM POWER LINES

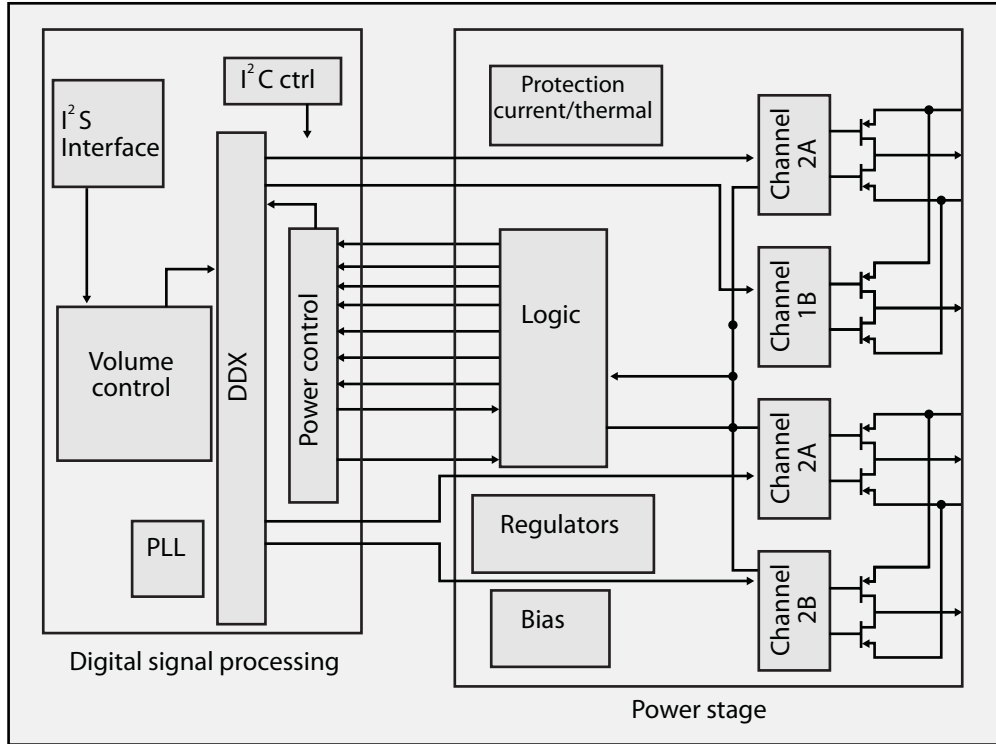


BLOCK DIAGRAM SIGNAL LINES

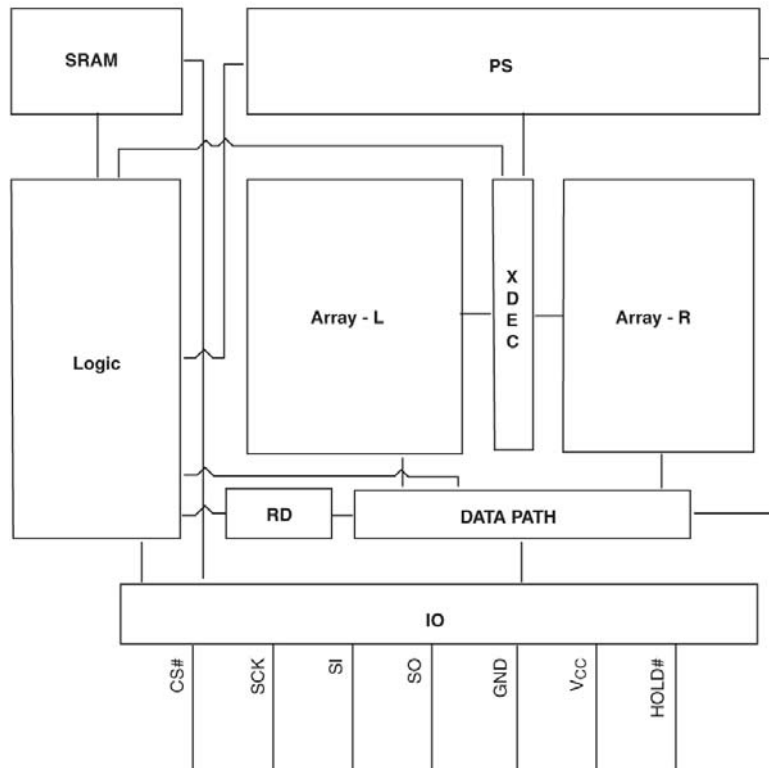


IC BLOCK DIAGRAMS

IC001_C1AB00003628_IC STA333W13TR, Audio AMP

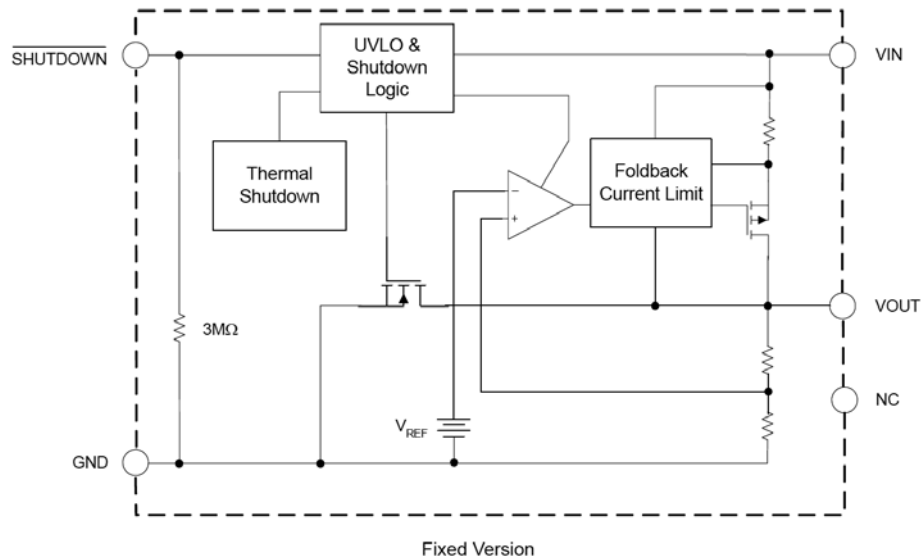


IC5750, Flash Memory

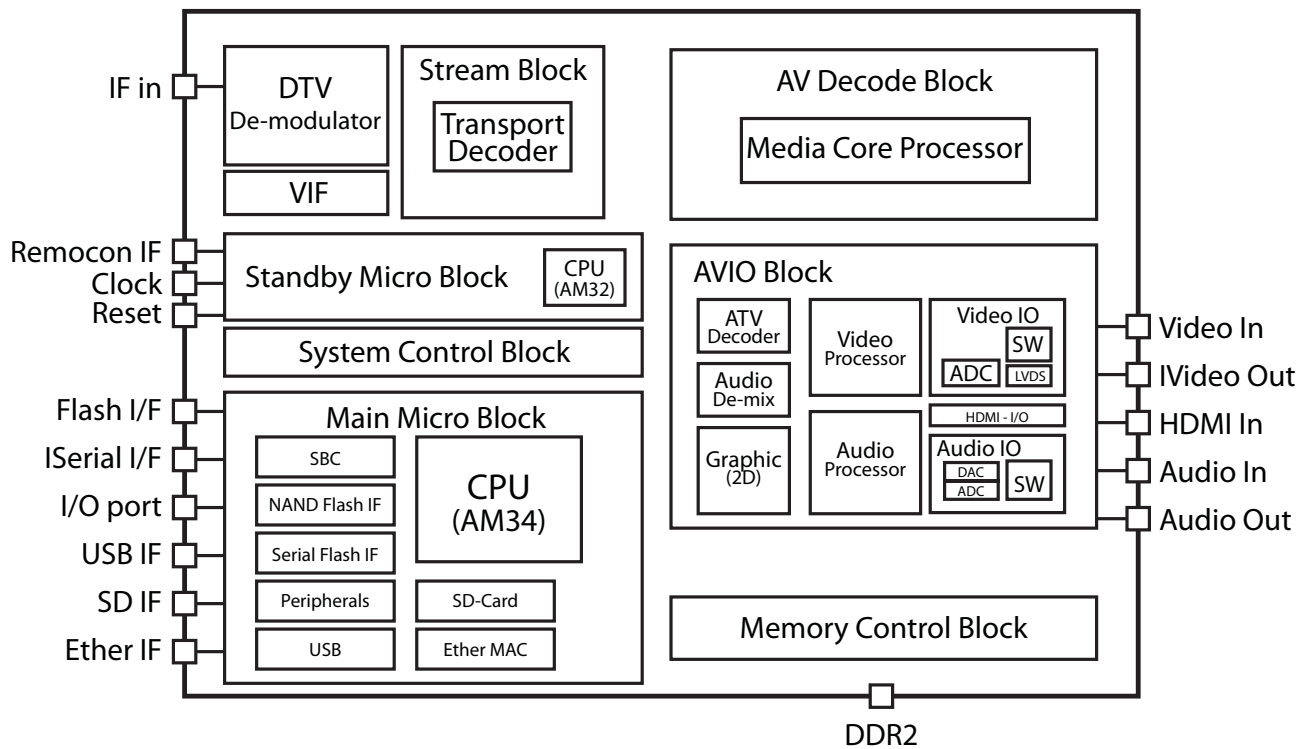


IC BLOCK DIAGRAMS (CONT.)

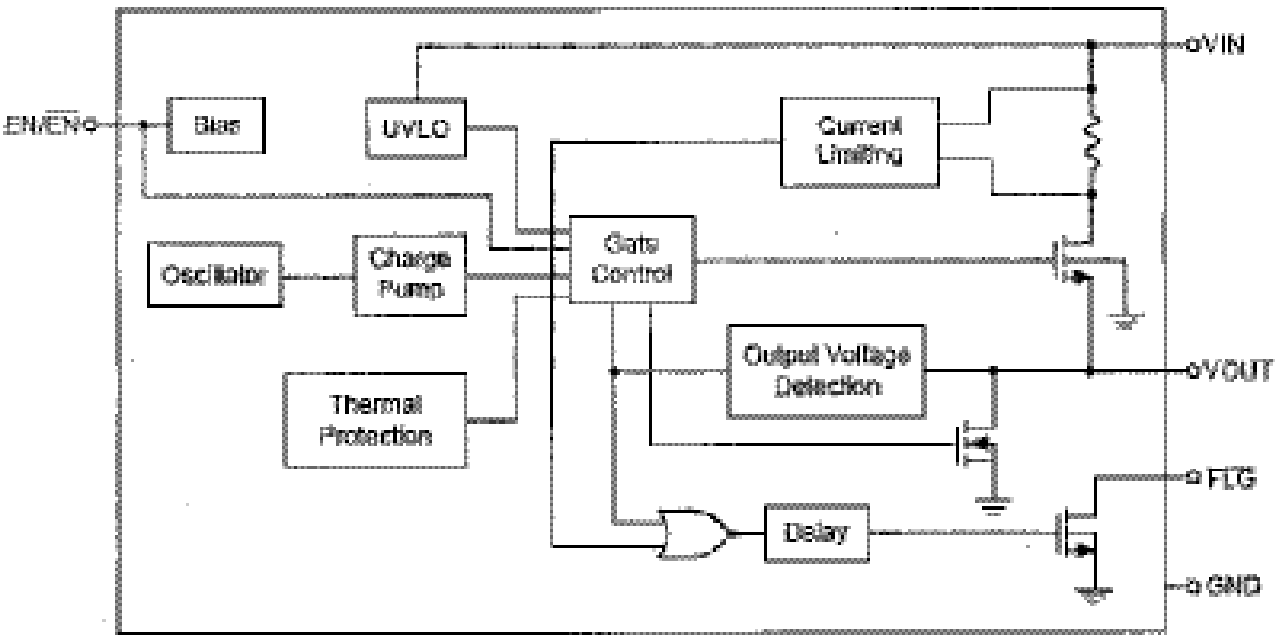
IC6750_C0DBGYY02242_AP2128K-ADJTRG1



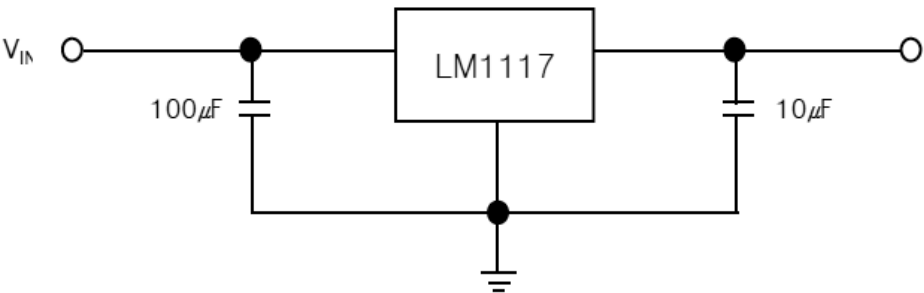
IC5500 Main Chip signal processor



IC6650, USB Protection

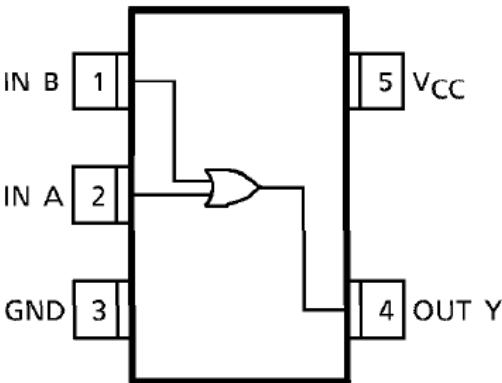


IC6700_C0CBAYG00009_LM1117S-ADJ



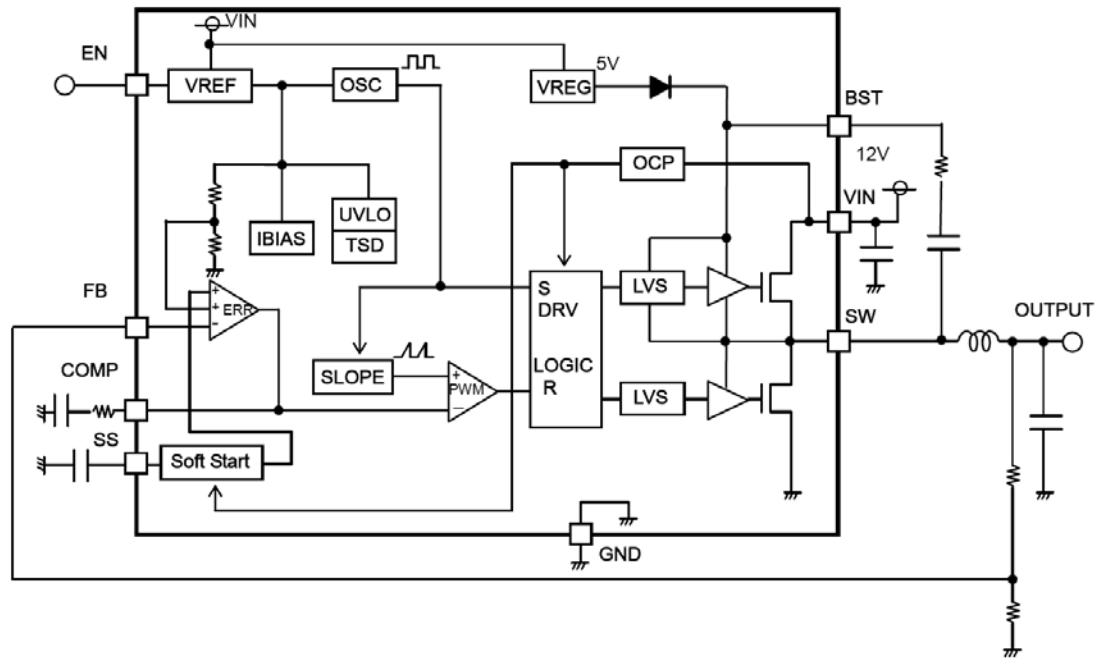
IC6560_C0JBAA000502_TC7SET08FU

PIN ASSIGNMENT (TOP VIEW)

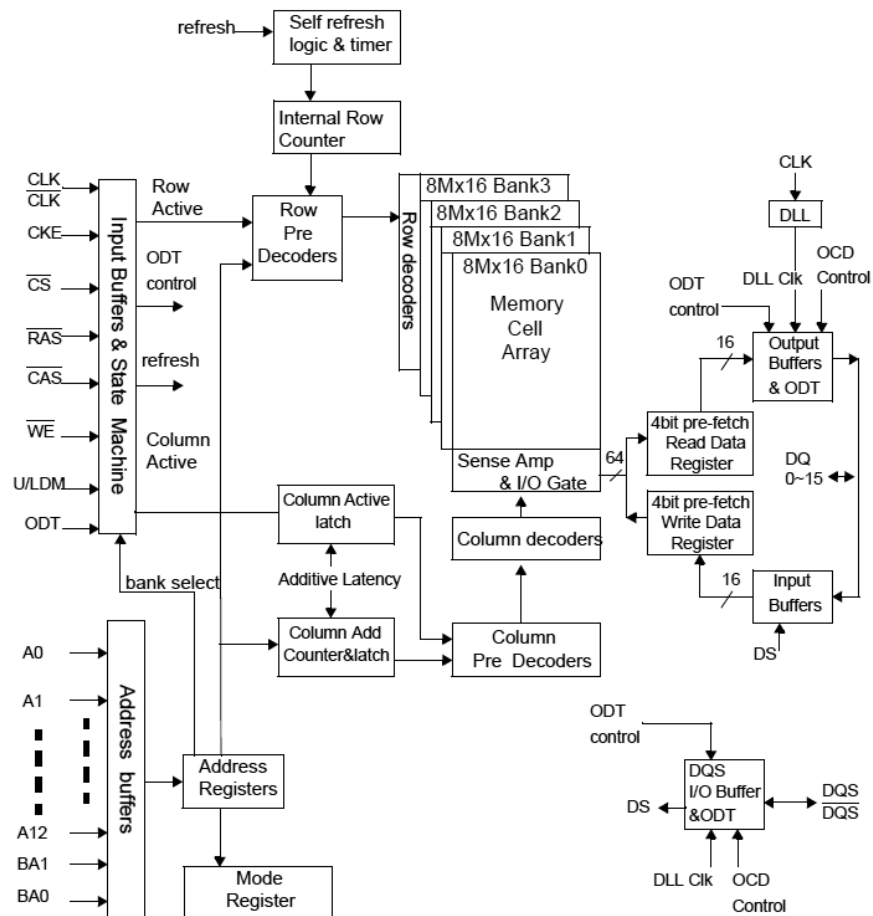


IC BLOCK DIAGRAMS (CONT.)

IC6720_C0DBAYY01122_BD9328EFJ-E2

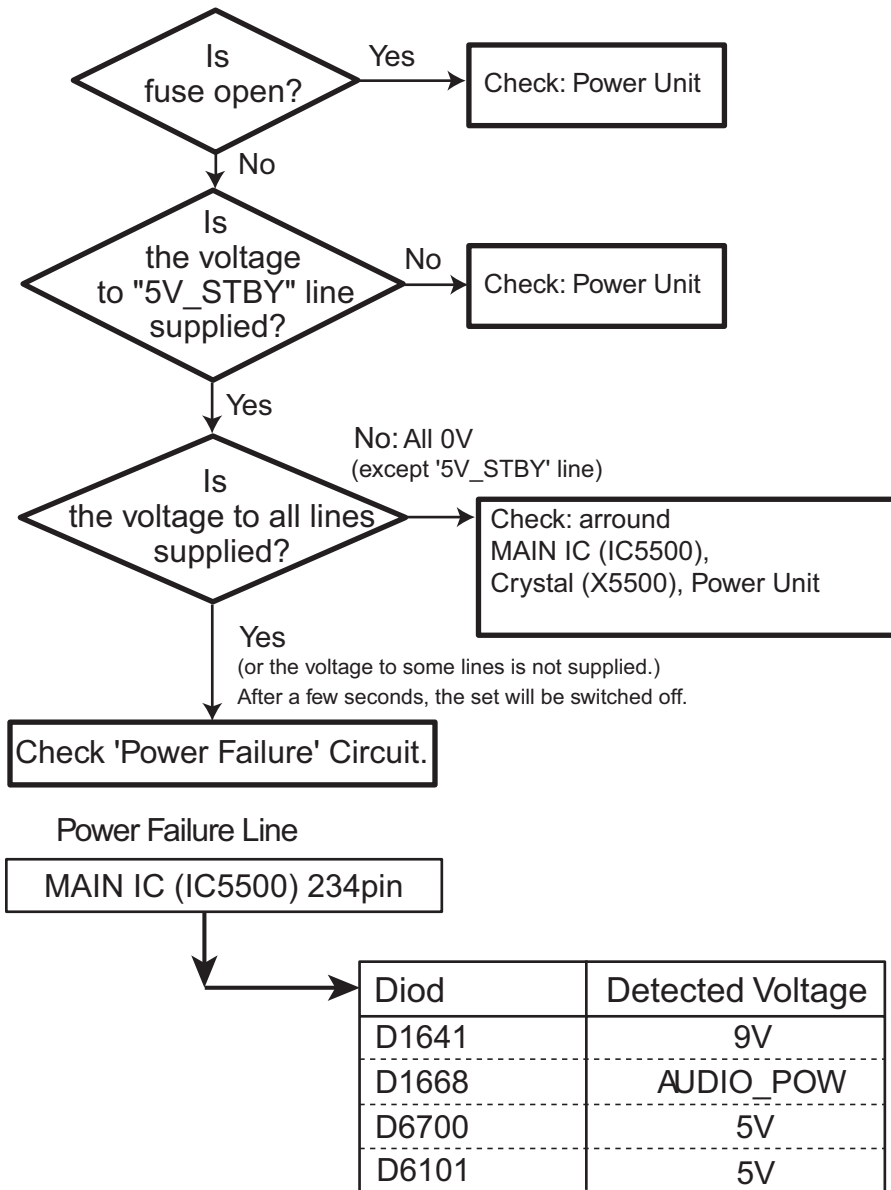


IC5700_C3ABSY000102_IC H5PS5162GFR-S6C



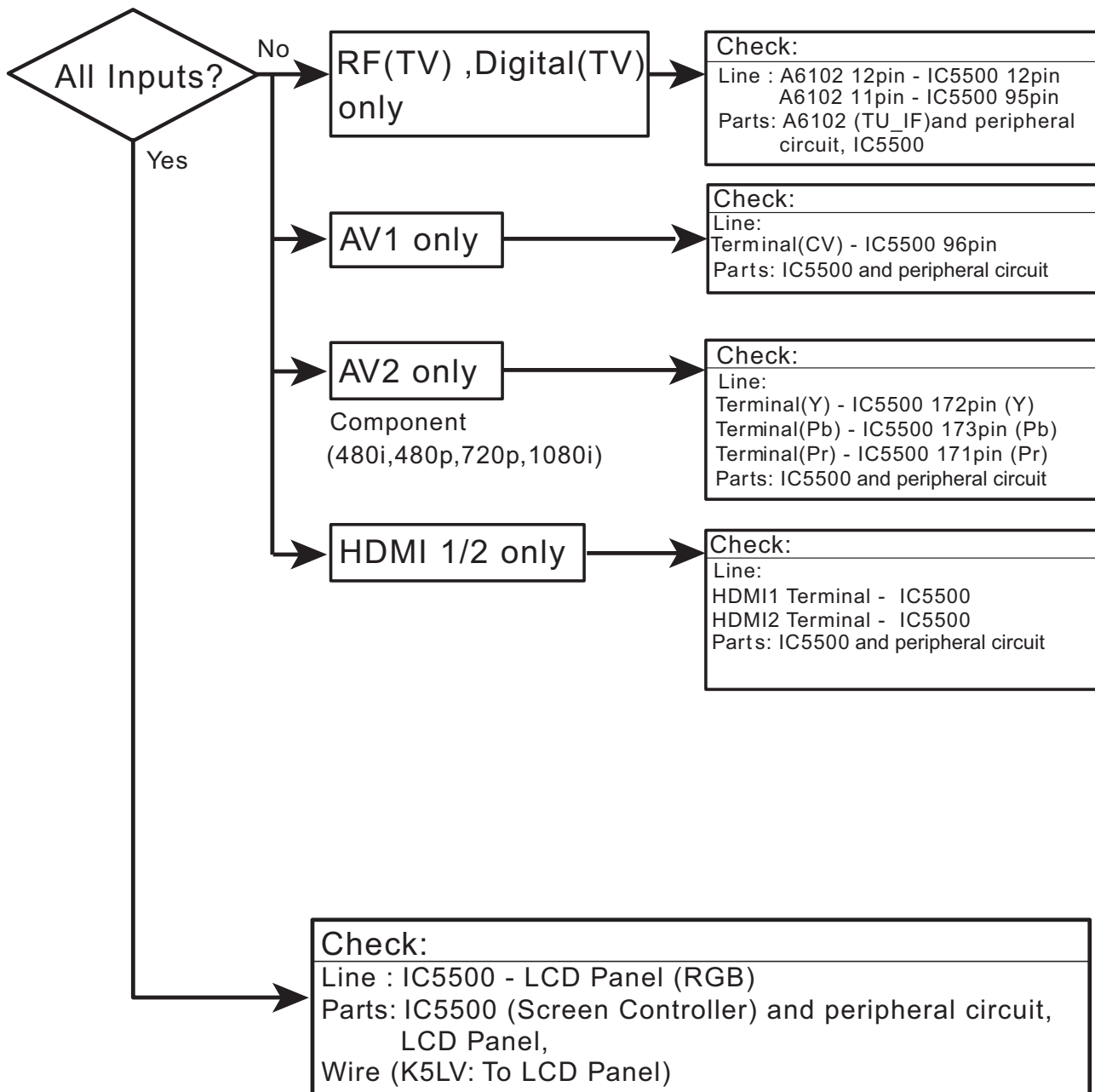
TROUBLESHOOTING FLOW CHARTS

NO POWER



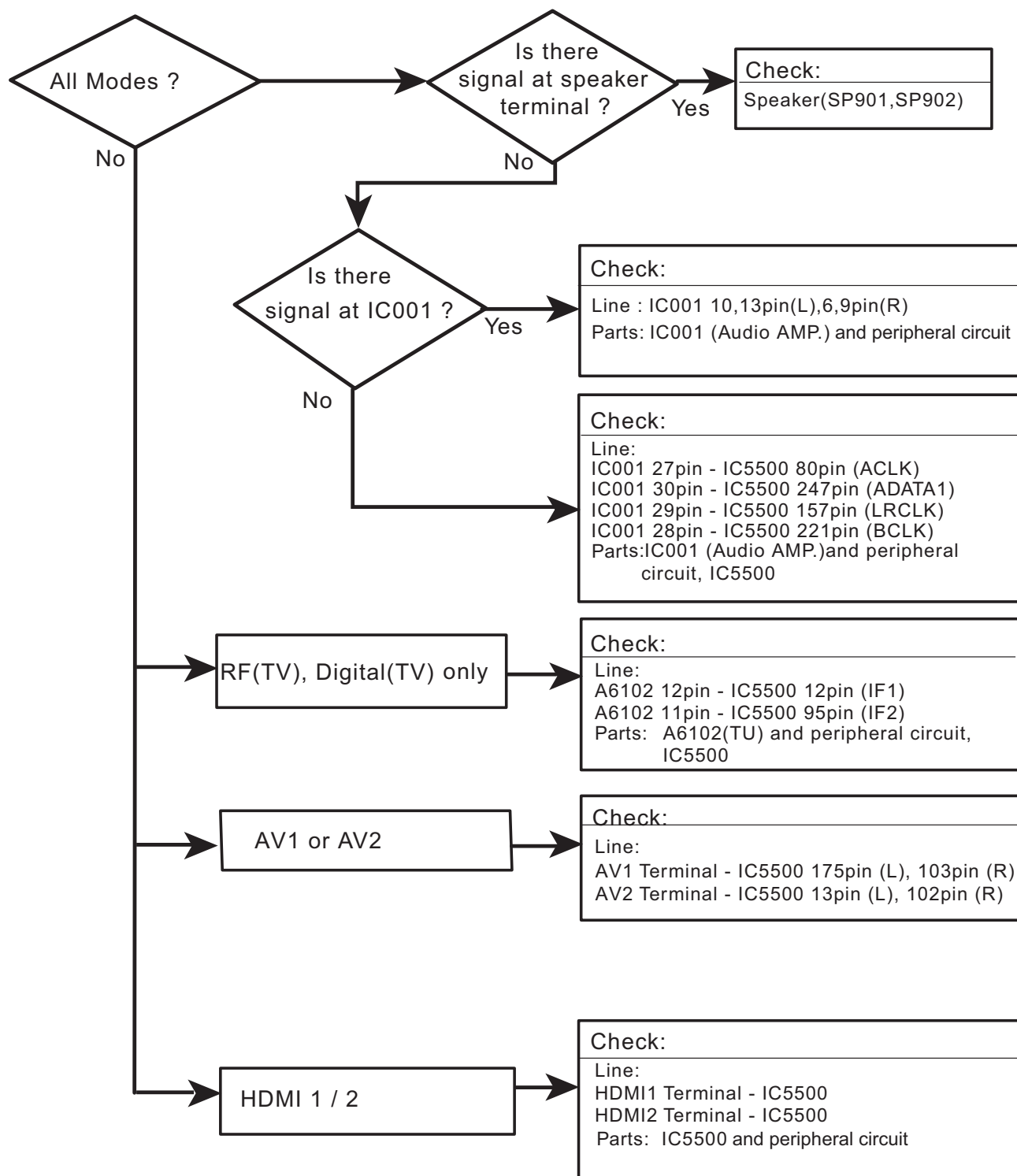
TROUBLESHOOTING FLOW CHARTS (CONT.)

NO VIDEO



TROUBLESHOOTING FLOW CHARTS (CONT.)

NO AUDIO



SCHEMATIC NOTES

NOTES ON SCHEMATIC DIAGRAMS

1. All resistance values in ohms K=1,000 M=1,000,000.
2. Resistors specified with resistance value are "1/6DJ."
3. Resistors specified with type of resistor, tolerance and resistance value are "1/4."
4. Unless otherwise noted on schematic, all capacitor values less than 1 are expressed in μF (Micro Farad), and the values more than 1 are in pF.
5. All capacitors are 50 WV rating unless otherwise noted.
6. Unless otherwise noted on schematic, voltage reading taken with VOM from point indicated to chassis ground. Voltage reading taken using color-bar signal VHF channel 5, all controls at normal. Line voltage at 120 volts. Some voltages may vary with signal strength.
7. Waveforms were taken with color-bar signal and controls set for normal picture. Waveforms marked with an * may vary with signal strength.
8. The Symbol  indicates a fusible resistor, which protects the circuit from possible short circuits.
9. Parts enclosed with  are related with X-radiation.
10. Isolation border line.  Cold Side  Hot Side
11. Schematic part location numbers may not always match the schematic symbols.
The schematic symbols and part descriptions are correct and should be used.
The part descriptions will be listed under the location number in the parts list.



ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

SERVICE NOTES:

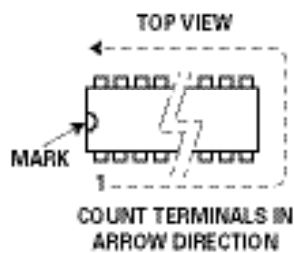
1. When replacing parts on circuit boards, clamp the lead wires to terminals before soldering.
2. When replacing high wattage resistors on circuit board, keep the resistor body 10 mm (3/8) from circuit board.
3. Keep wires away from high voltage and high temperature components.

PRODUCT SAFETY NOTICE

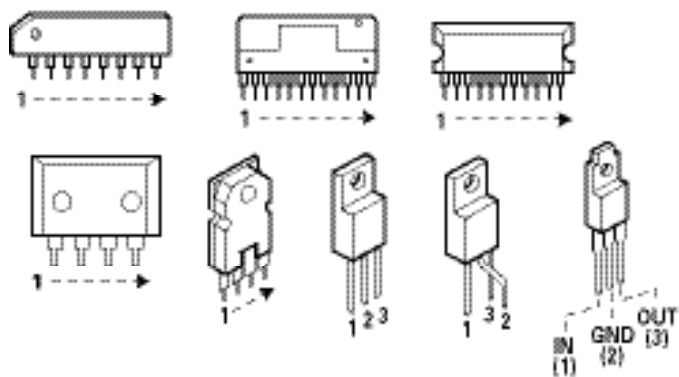
THE COMPONENTS DESIGNATED BY A  ON THIS SCHEMATIC DIAGRAM DESIGNATE COMPONENTS WHOSE VALUES ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A  NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

IC, DIODE, AND TRANSISTOR PIN LAYOUTS

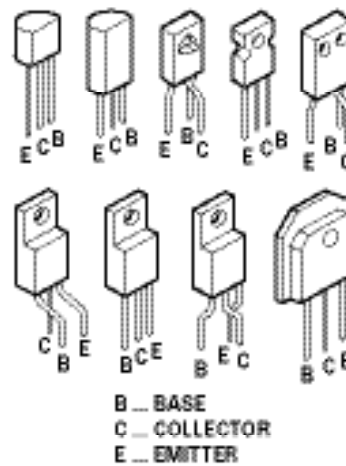
INTEGRATED CIRCUITS



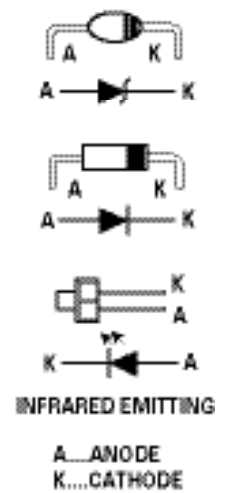
SIDE VIEW



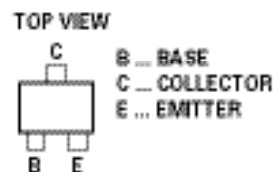
TRANSISTORS



DIODES



CHIP TRANSISTORS



LCD PANEL

EL901 (50Z6WE) 1AV4T40C32900 LCD(CHIMEI V500HJ1-L01)



2SA933S (TYPE)		14TH CODE	2SA933S	2SA1015	2SA564A
AB	7T200181		R	Y,GR	R
AC	7T200182		Q,R	O,Y,GR	Q,R

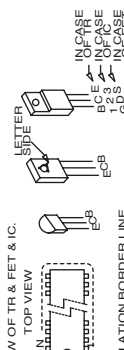
	14TH CODE	2SA1179	2SA1037
AJ	7T200221	M6,M7	RS

2SC1740S (TYPE)		14TH CODE	2SC1740S	2SC945A	2SC1815
AD	7T200183	Q,R,S	Q,PA	Y,GR	
AE	7QT00202	Q,R,S	RA,Q,PA	O,Y,GR	

2SC2412K CHIP TYPE)	14TH CODE	2SC2812	2SC2412K
AH	7T200220	L6.L7	PS

NOTES:

- NOTES:
1. RESISTORS SPECIFIED WITH RESISTANCE VALUE ARE "1/60D".
 2. RESISTORS SPECIFIED WITH TYPE OF RESISTOR, TOLERANCE, AND RESISTANCE VALUE ARE "1/4".
 3. ALL CAPACITORS ARE 50WV RATING UNLESS OTHERWISE NOTED.



5. ISOLATION BORDER LINE.

COLD SIDE HOT SIDE

3. CHIP TRANSISTORS

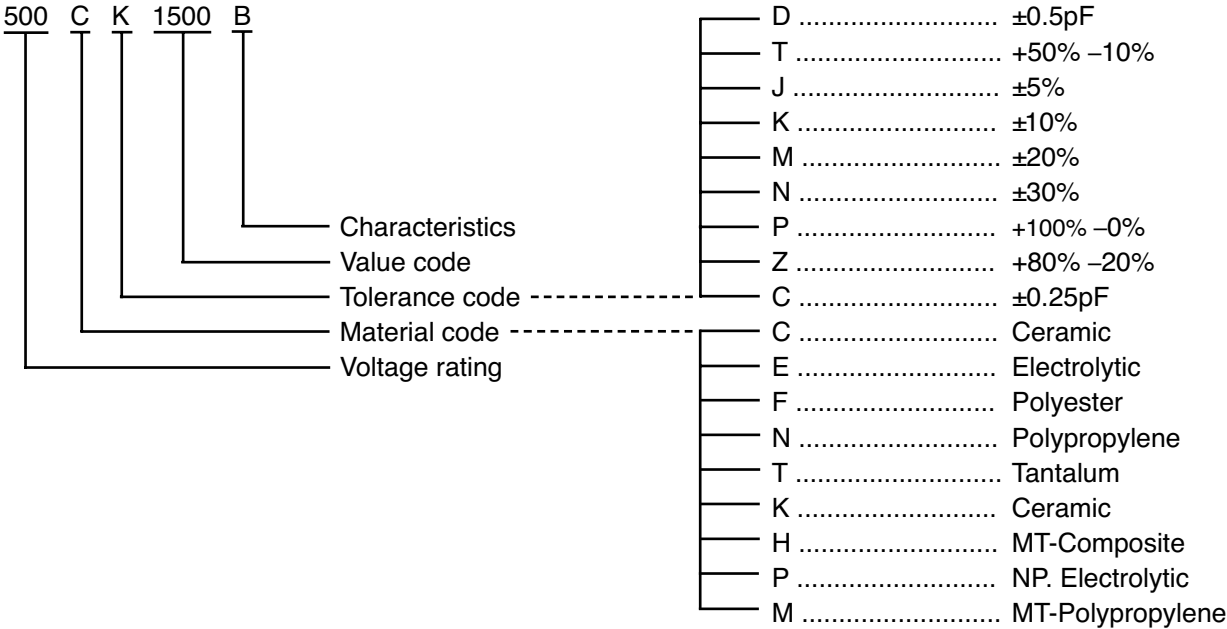
7. CHIP RESISTORS

123 → 12 x 10 (12 kohm)

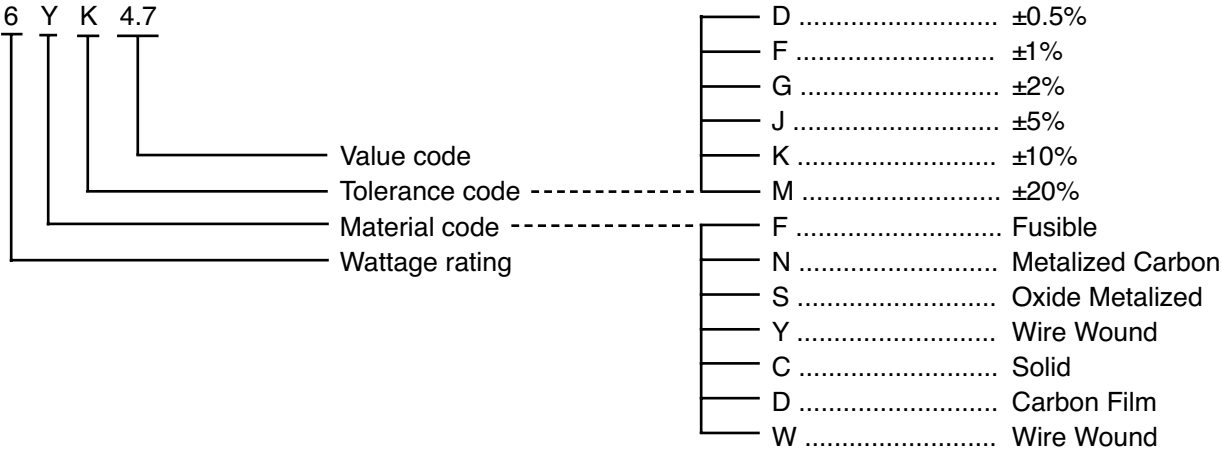
NOTE. "J" : JUMPER WIRE.
"X" : PART NOT USED.

CAPACITOR AND RESISTOR CODE CHART

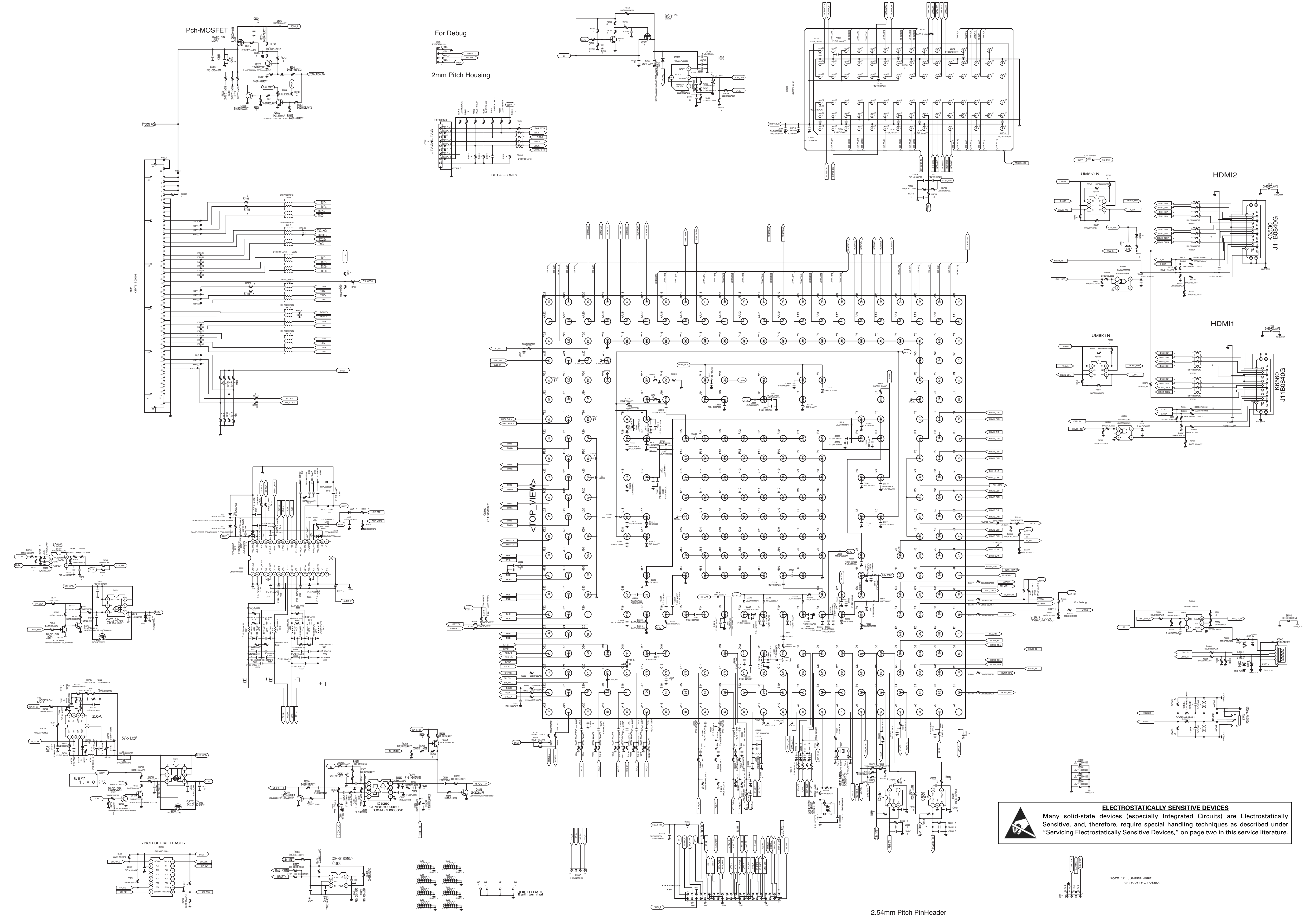
CAPACITOR (Example)



RESISTOR (Example)



For parts or service contact
Sanyo Manufacturing Corporation
P.O. Box 2000
3333 Sanyo Road
Forrest City, Arkansas 72335-2000



ELECTROSTATICALLY SENSITIVE DEVICES
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NOTE: "J" - JUMPER WIRE
"X" - PART NOT USED.





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